



United States
Department of
Agriculture



Natural
Resources
Conservation
Service

In cooperation with the
United States Department of
the Interior, Bureau of Land
Management; University of
Idaho, College of Agriculture;
and Idaho Soil Conservation
Commission

Soil Survey of Bear Lake County Area, Idaho



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How to Use This Soil Survey

General Soil Map

The general soil map, which is a color map, shows the survey area divided into groups of associated soils called general soil map units. This map is useful in planning the use and management of large areas.

To find information about your area of interest, locate that area on the map, identify the name of the map unit in the area on the color-coded map legend, then refer to the [General Soil Map Units](#) section for a general description of the soils in your area.

Detailed Soil Maps

The detailed soil maps can be useful in planning the use and management of small areas.

To find information about your area of interest, locate that area on the [Index to Map Sheets](#). Note the number of the

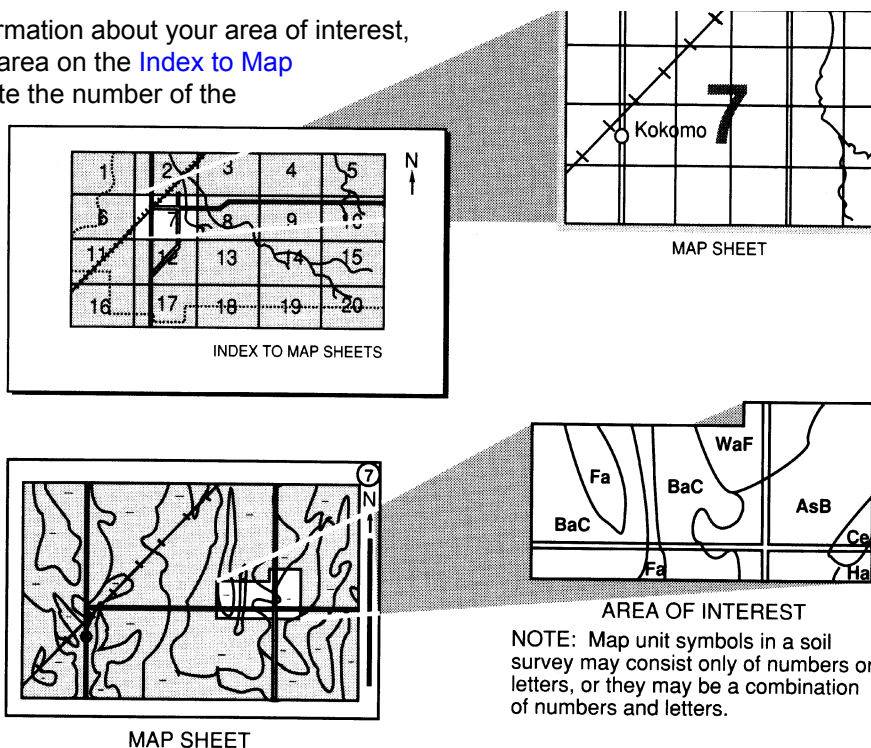
map sheet and click on that sheet.

Locate your area of interest on the map sheet.

Note the map unit symbols that are in that area. Turn to the [Contents](#), which lists the map

units by symbol and name and shows the page where each map unit is described.

The Contents shows which table has data on a specific land use for each detailed soil map unit. Also see the Contents for sections of this publication that may address your specific needs.



National Cooperative Soil Survey

This soil survey is a publication of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture (USDA) and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service has leadership for the Federal part of the National Cooperative Soil Survey. This survey was made cooperatively by the USDA, Natural Resources Conservation Service; United States Department of the Interior, Bureau of Land Management; University of Idaho, College of Agriculture, and Idaho Soil Conservation Commission. The survey is part of the technical assistance furnished to the Bear Lake County Conservation District.

Major fieldwork for this soil survey was completed in 2005. Soil names and descriptions were approved in 2008. Unless otherwise indicated, statements in this publication refer to conditions in the survey area in 2005.

The most current soil information and interpretations for this survey area are available either through the Soil Data Mart or in the Field Office Technical Guide (FOTG) at the local field office of the Natural Resources Conservation Service. The Soil Data Mart is the Natural Resources Conservation Service data storage site for the official soil survey information. The FOTG is linked to the Soil Data Mart; therefore, the same information is available from both sources. Soil survey maps and tabular data can be accessed through the Soil Data Mart at <http://soildatamart.nrcs.usda.gov>. The official soil survey information stored at the Soil Data Mart and this soil survey report are also available through Web Soil Survey at <http://websoilsurvey.nrcs.usda.gov/app/>.

Soil maps in this survey may be copied without permission. Enlargement of these maps, however, could cause misunderstanding of the detail of mapping. If enlarged, maps do not show the small areas of contrasting soils that could have been shown at a larger scale.

Citation

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Cover Caption

Bear Lake viewed to the northeast from the scenic overlook on U.S. Highway 89 in the Cache National Forest, Bear River Range, of the Wasatch Mountains. The Bear Lake Plateau rises abruptly over 1,500 feet from the lake level in the background.

Additional information about the Nation's natural resources is available online from the Natural Resources Conservation Service at <http://www.nrcs.usda.gov>.

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Issued August 2010

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Foreword

Soil surveys contain information that affects land use planning in survey areas. They include predictions of soil behavior for selected land uses. The surveys highlight soil limitations, improvements needed to overcome the limitations, and the impact of selected land uses on the environment.

Soil surveys are designed for many different users. Farmers, ranchers, foresters, and agronomists can use the surveys to evaluate the potential of the soil and the management needed for maximum food and fiber production. Planners, community officials, engineers, developers, builders, and homebuyers can use the surveys to plan land use, select sites for construction, and identify special practices needed to ensure proper performance. Conservationists, teachers, students, and specialists in recreation, wildlife management, waste disposal, and pollution control can use the surveys to help them understand, protect, and enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. The information in this report is intended to identify soil properties that are used in making various land use or land treatment decisions. Statements made in this report are intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://soils.usda.gov/sqi/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

These and many other soil properties that affect land use are described in this soil survey. The location of each map unit is shown on the detailed soil maps. Each soil in the survey area is described, and information on specific uses is given. Help in using this publication and additional information are available at the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Jeffery Burwell
State Conservationist
Natural Resources Conservation Service

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Soil Survey of Bear Lake County Area, Idaho

By Francis R. Kukachka, Project Leader

Fieldwork by Francis R. Kukachka, Rod Kyar, Shawn McVey, Josh Sorlie, Kimberley Johnson, Brad Duncan, Scott Hutchinson, Alan Harkness, Glenn Hoffman, Dal Ames, Pam Keller, and Tom Clarke, Natural Resources Conservation Service, and Darwin Jeppesen, Bureau of Land Management

Editor, Mary E. Martinec, Natural Resources Conservation Service

United States Department of Agriculture, Natural Resources Conservation Service, in cooperation with the
United States Department of the Interior, Bureau of Land Management; University of Idaho, College of Agriculture; and Idaho Soil Conservation Commission

General Nature of the Survey Area

THE SOIL SURVEY OF BEAR LAKE COUNTY AREA AND PART OF LINCOLN COUNTY ([fig. 1](#)) is located in the southeast corner of Idaho. Parts of the Middle Rocky Mountains Province and the northeast extent of the Basin and Range Province are incorporated into the soil survey area. The soil survey area borders Utah on the south, Wyoming on the east, the Wasatch Mountains on the west, and Caribou County on the north.

The lowest elevation in the survey area is about 5,800 feet where the Bear River enters Caribou County. The highest elevation is about 7,900 feet on Pine Spring Ridge on the Bear Lake Plateau. The survey area includes federal, state, and private land. Federal lands are administered by the U.S. Department of the Interior, Bureau of Land Management and Fish and Wildlife Service, and U.S. Department of Agriculture, Forest Service. State lands are administered by the Idaho Department of Lands and the State of Idaho Department of Parks and Recreation.

The soil survey area comprises about 685 square miles of the county's total of 1,049 square miles. About 52 percent of the area is rangeland; about 30 percent is agricultural land; about 9 percent is wetland; about 8 percent is water; and less than 0.4 percent is urban. Paris is the county seat, while Montpelier is the largest city. The population of Bear Lake County, according to the 2000 census, was 6,411. The estimated 2007 population was 5,863 (Idaho Dept. of Labor, 2008, online: <http://labor.idaho.gov/dnn/Default.aspx?alias=labor.idaho.gov/dnn/idl>)

The main features of the area are Bear Lake and the Bear Lake Valley, which comprise almost one-third of the area. Thomas Fork Valley, the second largest valley in the area, is located on the east side of the survey area bordering Wyoming. The higher, steeper part of the survey area includes the foothills of the Wasatch, Preuss, and Aspen Mountain Ranges; the Sheep Creek Hills, and the Bear Lake Plateau.

Bear Lake is located in a basin in the south-central part of the survey area, straddling the Idaho-Utah border. The Idaho part of the lake comprises about 34,000 acres. The basin has no natural outlet, so the natural lake level is maintained by

Soil Survey of Bear Lake County Area, Idaho

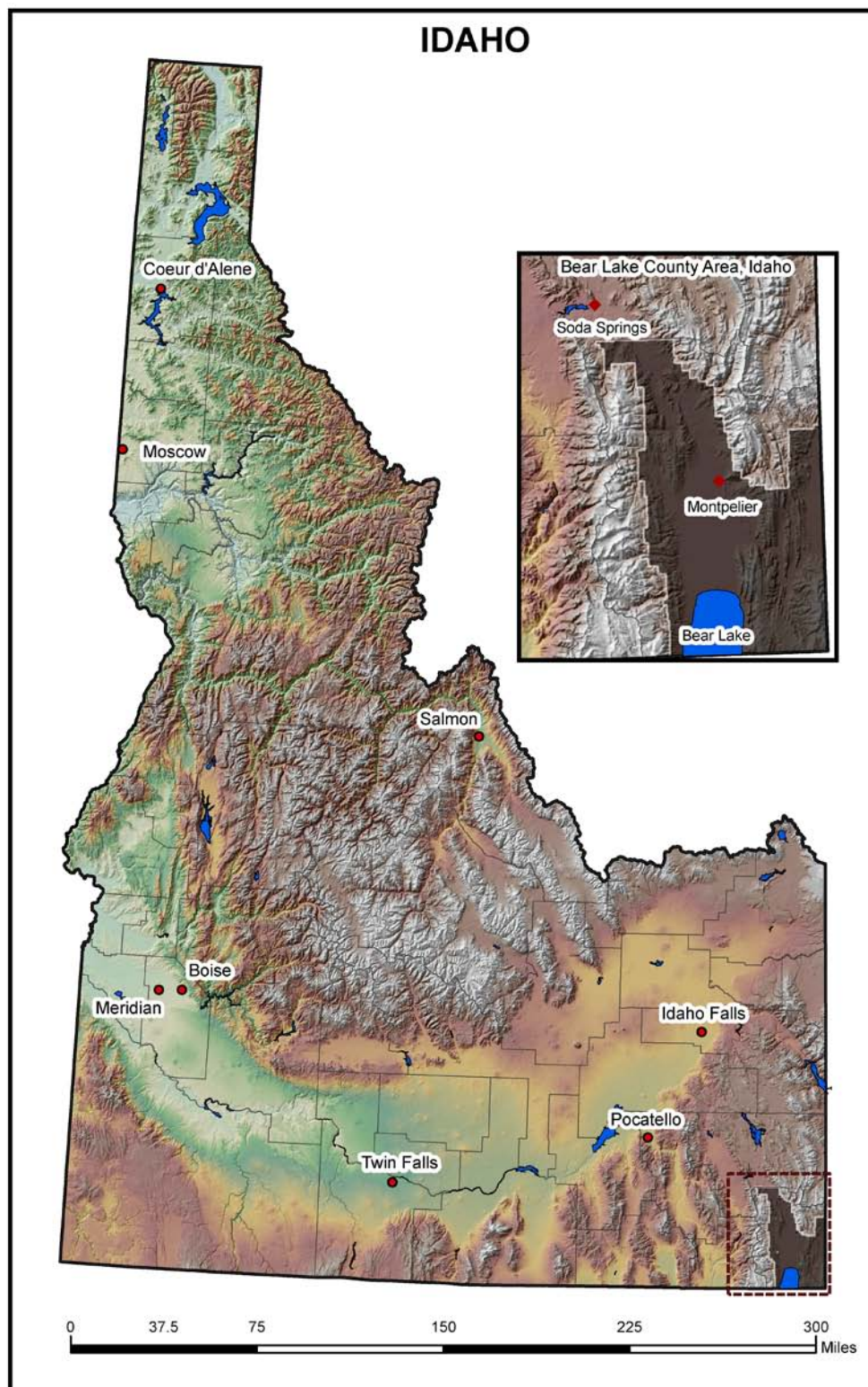


Figure 1.—Location of Bear Lake County Area

inflow surrounding streams and evaporation. The main drainage through the area is the Bear River, which enters the area from Wyoming and flows to the northwest into Caribou County and ultimately into the Great Salt Lake via Willard Bay. The river has been diverted through an extensive canal system, constructed in 1911, to move water south to Bear Lake where it could be stored (<http://www.bearriverinfo.org/>). A levee was constructed on the north end of the lake and a pumping station built so that water could be pumped into Bear Lake in the spring and then pumped out of the lake during the summer months. The levee allowed the lake to be used as a reservoir for irrigation and power generation from dams downstream on the Bear River. Bear Lake is host to five unique endemic species of fish: Bonneville cisco, Bonneville whitefish, Bear Lake whitefish, Bear Lake sculpin, and Bear Lake cutthroat trout. Each of these species is very important to the Bear Lake fishery (<http://www.bearlakerecreation.com/>).

The valley bottoms are comprised of nearly level to gently sloping flood plains and stream terraces that formed in recent alluvial material. The valley sides are comprised of gently sloping to moderately sloping fan remnants. These features grade into steep and very steep hills and/or mountains.

History and Development

Prepared by F. R. Kukachka, Project Leader, Natural Resources Conservation Service

The first known inhabitants of the Bear Lake Valley were [Shoshoni](#) tribes, but many Great Basin natives, including the Ute and Bannock, knew the area. As well as a meeting/gathering place, it was a frequent camping area for those on hunting trips. The first record of whites seeing the area is from 1818 when French-Canadian trappers, working for the Hudson's Bay Company, followed the Bear River upstream to the valley. In 1819, Donald McKenzie first saw and named the area for the abundance of black bears. Black Bears Lake was quickly shortened to the current name of Bear Lake. Later, between 1825 and 1840, many mountain men, including Jedediah Smith, Jim Bridger, William Ashley, and Tom Fitzgerald, met on the south shore with Native Americans to swap goods and stories. The mountain man rendezvous originated from these meetings and continue to this day in mid-September on Rendezvous Beach (<http://www.bearlake.org/history.html>).

In 1836, the Whitman-Spalding party came through the area to establish a mission among the Indians. In 1842, Whitman went east to promote the Oregon Territory. Soon hundreds and then thousands of people began making the journey. In 1841, Oregon Trail travelers crossed the Bear Lake Valley on their way to land in western Oregon. The Oregon Trail entered Bear Lake County near the point of the present community of Border, Wyoming, near where U.S. Highway 30 enters Idaho, and generally followed the Bear River as it flows to the northwest. During the early days of the trail, Thomas L. "Peg Leg" Smith operated a trading post near Dingle, southeast of Montpelier. Smith traded goods and animals with those making the journey.

Several U.S. government-sponsored expeditions surveyed parts of the Oregon Trail and wrote extensively about their explorations. Two of these explorers were Benjamin Bonneville and John C. Fremont. In 1832, Bonneville led an expedition of the Oregon Trail that included most of Idaho. Bonneville wrote of the huge marsh located north of Bear Lake, part of which is now the Bear Lake National Wildlife Refuge (<http://www.bearlake.org/history.html>). From 1842 to 1846, Fremont led three expeditions of the Oregon Trail. Fremont named many of the mountain peaks, canyons, and streams, including the Preuss Mountain Range, which he named after his topographer, Charles Preuss. Fremont and Bonneville wrote about their explorations in the Bear Lake Valley explorations.

In 1863, Mormon leader Brigham Young sent the first Mormon settlers, led by Charles C. Rich, to the Bear Lake Valley where they established the community of Paris. Within the next few years, settlers founded other communities. Historical

accounts tell of hearty pioneers struggling with the harsh and diverse climate. The valley soon prospered from farming and ranching. With the mining of phosphate and other elements and the coming of the railroad in 1892, Montpelier grew, becoming increasingly important to the economy of the valley (<http://www.bearlake.org/history.html>). A railroad terminal was located in Montpelier until 1972.

The small farming communities around Bear Lake are giving way to recreational development. Summer homesites dot the hillsides around the lake. Recreational opportunities include skiing, snowmobiling, sailing, and swimming. Located within the "Greater Bear Lake Valley" are prime hunting areas for deer and elk and fishing areas for trout and cisco.

Bear Lake County was influenced greatly by its pioneer heritage, the Oregon Trail, and the advent of the railroad (<http://www.bearlake.org/history.html>).

Surface Water Resources

The Bear River is the primary river in southeast Idaho. The sources of the river are in the Uinta Mountains of Utah at over 12,000 feet. The Bear River ends where it reaches the Great Salt Lake at an elevation of 4,200 feet.

The area of the Bear River Basin is about 7,465 square miles. The river is about 500 miles long and flows from south to north, and then, at Soda Springs, the river first bends to the west and then turns south to flow into the Great Salt Lake. The Bear River is the largest stream in the Western Hemisphere that does not flow into an ocean. The river flows through nine counties, three states, crosses the state line numerous times, and ends less than 100 miles from where it starts.

Many streams drain into the Bear River and over 155 lakes and reservoirs of which Bear Lake is the largest. The lake contains 1,421,000 acre-feet of usable storage and has over 5,000,000 acre-feet of natural lake storage. Bear Lake is a unique resource as it was created by seismic activity 28,000 years ago. For the past 8,000 years, it has been isolated from the Bear River and acts as a tributary to the river. River water is diverted into Bear Lake by the Rainbow Canal for fish, wildlife, storage, and flood control and released primarily for hydropower and irrigation. Bear Lake is 20 miles long, 8 miles wide, 208 feet deep, with 48 miles of shoreline, and a surface area of 112 square miles.

The Bear River Compact regulates the distribution of water in the Bear River Basin. This agreement was ratified by Idaho, Utah, Wyoming, and the Federal Government and adopted by the Bear River Commission on April 26, 1958. The compact has been amended several times, most recently in 1980.

The melting of the winter snowpack provides the primary source of streamflow in the basin. A long-term streamflow record starts in 1927 for the Bear River at Stewart Dam, where the Rainbow Canal diverts river water into Bear Lake. In high runoff years, water flows past Stewart Dam and continues down the river. Average annual observed streamflow at Stewart Dam is 356,900 acre-feet from 1971 through 2000. Seventy-three percent of the annual streamflow, 261,100 acre-feet, occurs from March through July, snowmelt runoff season. Monthly volumes are the highest in May and June, averaging over 70,000 acre-feet each month. Low streamflow levels occur from August through February, with monthly average volumes in the 11,000 to 16,000 acre-feet range. Seasonal streamflow volumes vary and depend on winter snowfall and saturation of the basin. March through July runoff volumes have ranged from less than 10 percent of average during consecutive dry years to over 260 percent of average during consecutive wet years (U.S. Army Corps of Engineers, 1989).

Geology of Bear Lake County Soil Survey Area

Prepared by Terril Stevenson, Natural Resource Specialist – Geologist, Natural Resources Conservation Service

Geomorphology

The survey area is predominantly within the Middle Rocky Mountains Physiographic Province with some influence of the Basin and Range Physiographic Province on the western edge. The eastern part of the county is in the Middle Rocky Mountains Physiographic Province, characterized by low-angle thrust faults and cyclic folding. The Preuss Range and Bear Lake Plateau formed in a series of north-trending anticline and syncline folds that are part of the Rocky Mountains overthrust (compressional folding and faulting). The Basin and Range Physiographic Province is characterized by uplifted block-faulted mountain ranges and down-dropped basin valleys. In Bear Lake County, these features form a series of gently sloping terraces and alluvial fans along steep uplands and mountain slopes. The mountain ranges are roughly parallel and trend north to northwest. The Bear River Range is part of an older thrust-fault complex related to formation of the Rocky Mountains. The range has since been block-faulted as part of the Basin and Range Physiographic Province.

The valleys are filled with Tertiary and Quaternary-Age sediments. The upper fans and lower slopes are covered with Tertiary-Age volcanic tuff, sedimentary sandstone, limestone, siltstone, and conglomerate. Bear Lake Valley is a broad alluvial and lacustrine (lake) basin filled with fine- to coarse-grained lake and river deposits.

The surface drainage system within the survey area is to the south into the Great Salt Lake and Great Basin, via the Bear River and its tributaries.

Karst topography has developed in some parts of the Bear River Range where sinkholes and collapse features are evident in the Paleozoic sediments.

Stratigraphy

Unconsolidated surface material in the valleys consists predominantly of Quaternary-Age silts, sands, and gravels deposited as alluvium and lakebeds. Stream alluvium is present along the major drainages, while Quaternary-Age terrace gravels form benches along the valley edges. Intermediate fan slopes and lower slopes of the mountain ranges are Tertiary-Age Salt Lake Formation silts, limestone, conglomerate, and tuff with some Tertiary-Age Wasatch Formation conglomerate in the southeast part of the area. Quaternary-Age diamictite and colluvium (poorly sorted, unconsolidated clay to boulder-sized material from hillwash and debris flows) are found on the upper fan slopes. Quaternary-Age travertine deposits are common in the valley areas in the northern part of the county. Isolated outcrops of Tertiary-Age igneous rock exist as dikes and intrusions into the tuffs.

Bedrock in the west mountain ranges of the county almost exclusively consists of hard, fractured, Paleozoic- and Mesozoic-Age sedimentary rocks including Mississippian-, Silurian-, Ordovician-, and Cambrian-Age dolomite, quartzite, shale, and limestone. The east edge of the Bear Lake Range is formed in Pennsylvanian- to Triassic-Age sandstone, siltstone, and limestone.

The north and east parts of the county are formed in Paleozoic- to Mesozoic-Age sedimentary rocks, predominantly Triassic-, Jurassic-, and Cretaceous-Age sandstone, shale, mudstone, and limestone. The Phosphoria Formation is an important cherty, phosphatic shale deposit that is mined for phosphate in the region.

Structure

Geologic structure in Bear Lake County is complex. The Paleozoic and Mesozoic sediments were subjected to folding and thrust faulting during the Rocky Mountain Overthrust. The Bannock Overthrust fault zone runs north-south along the west side of Bear Lake, then east-northeast across the valley near Montpelier. In the west part of

the survey area, the overthrust faulting was followed by Late Tertiary-Age block faulting to form the present basin-and-range expression. This block faulting resulted in relict folding within more recent normal faulting (predominantly vertical offset); anticlines and synclines formed during the thrust faulting were cut by later block faulting. Folding of the Tertiary-Age sediments has also occurred because of differential uplift during the block-faulting process. On the east side of the overthrust, the predominantly Mesozoic-Age sediments have been folded into a series of north-trending anticlines and synclines with very little block-faulting influence.

The basin and range has been undergoing active tectonic uplift since the middle Miocene Age (approximately 10 million years ago). The faults are generally located at the base of the ranges and are considered active in a geological sense. In this border area of the basin and range, there are faults scattered throughout the mountain areas as well. The return period for major earthquake events is between 450 and 5,000 years for these faults. Earthquakes can vary from those not felt to a Modified Mercalli rating of VIII that would be destructive. Major earthquakes have occurred in this area during historic time, with at least 43 measurable events recorded between 1880 and 1983. The November 10, 1884, earthquake near Paris was rated as a VII and resulted in considerable damage to structures. This active geologic process has been responsible for the uplifting of the mountains and consequent maintenance of alluvial fan building processes in the region.

Mineral Resources

A number of economically important minerals exist in the survey area, but few are present in deposits of any size or accessibility to be commercially mined. The exception is phosphate rock from the Phosphoria Formation, which occurs throughout the survey area either at the surface or at depth. Significant amounts of selenium are associated with the phosphate in the Phosphoria Formation. Deposits that include very minor amounts of manganese have been mapped near the town of Paris. Arsenic is present in some deposits south of Paris. Very low grade and discontinuous oil shales have also been mapped in the survey area. Other minor minerals that are present and may be occasionally mined for local or individual use include gypsum, east of Montpelier, and limestone throughout the survey area.

Soils

The origin of soils in the survey area is directly related to the geology and geomorphology. The soil and sediments are a complex mass of alluvial and lacustrine origin and may exhibit the following characteristics: ashy, limy, variably porous, low density, variably collapsible, erosive, and potentially pipeable. The basin valleys are filled with thick wedges of sediment derived from long-term erosion of the uplifted mountain ranges. These sediments consist of alluvial, colluvial, lacustrine, and volcanic materials of Tertiary and Quaternary Age that were deposited as interfingering sediments, making correlation difficult. The alluvial and colluvial deposits generally formed as an alluvial slope of coalescing fans of medium to coarse-grained sediment. The valley floors are poorly developed alluvial plains. The lakebed deposits consist predominantly of silt and sand, with some clay and gravel. Flood plain deposits contain a more evenly distributed range of sediment sizes (clay, silt, sand, gravel, cobbles, and boulders).

Summary

In summary, this soil survey area is characterized by the active and recently active geologic processes of block faulting and uplift, thrust faulting and cyclic folding, volcanism, erosion, sedimentation, and deposition. Soils in valley areas are dominated by river alluvium sediments.

Climate

Prepared by the Natural Resources Conservation Service, National Water and Climate Center, Portland, Oregon

Climate data are provided in the tables [“Temperature and Precipitation,”](#) [“Freeze Dates in Spring and Fall,”](#) and [“Growing Season.”](#) The data were recorded at the Montpelier Ranger Station climate station in the period 1961 to 1990.

Thunderstorm days, relative humidity, percent sunshine, and wind information are estimated from First Order station Pocatello.

The “Temperature and Precipitation” table gives data on temperature and precipitation for the survey area as recorded at Montpelier in the period 1961 to 1990. The “Freeze Dates in Spring and Fall” table shows probable dates of the last freeze in spring and the first freeze in fall. The “Growing Season” table provides data on the length of the growing season.

In summer, the average temperature is 62.5 degrees F. The average daily maximum summer temperature is 80.3 degrees F. The highest temperature on record, which occurred at Montpelier on July 24, 1931, is 100 degrees F.

In winter, the average temperature is 19.8 degrees F. The average daily minimum winter temperature is 7.9 degrees F. The lowest temperature on record, which occurred at Montpelier on February 6, 1989, is -34 degrees F.

Growing-degree days are shown in the “Temperature and Precipitation” table. They are equivalent to “heat units.” During the month, growing-degree days accumulate by the amount that the average temperature each day exceeds a base temperature (40 degrees F). The normal monthly accumulation is used to schedule single or successive plantings of a crop between the last freeze in spring and the first freeze in fall.

The average annual total precipitation is about 14.44 inches in Montpelier. However, annual precipitation ranges from around 10 inches on the north shore of Bear Lake to as much as 20 inches in the highest portions of the soil survey area on the western mountain foothills. Of the approximately 14 inches of annual precipitation at Montpelier, about 3.3 inches, or 23 percent, usually falls from June through August. The growing season for most crops falls within this period, although the growing season is slightly longer (up to 40 days longer) in some areas nearer the lake or up from the valley bottom where night temperatures are typically the coldest. The heaviest 1-day rainfall during the period of record is 2.5 inches at Montpelier on June 16, 1939. Thunderstorms occur on about 24 days each year with most between May and August.

The average seasonal snowfall is 58.3 inches. The greatest snow depth at any one time during the period of record at Montpelier is 31 inches recorded on March 4, 1952. On an average, 108 days per year have at least 1 inch of snow on the ground. The heaviest 1-day snowfall on record is 13 inches recorded on December 19, 1951.

The average relative humidity in midafternoon is about 43 percent. Humidity is higher at night, and the average at dawn is about 73 percent. The sun shines 79 percent of the time in summer and 43 percent in winter. The prevailing wind is from the south. Average wind speed is highest, around 10 miles per hour, from January to May.

How This Survey Was Made

This survey was made to provide information about the soils and miscellaneous areas in the survey area. The information includes a description of the soils and miscellaneous areas and their location and a discussion of their suitability, limitations, and management for specified uses. Soil scientists observed the steepness, length, and shape of the slopes; general pattern of drainage; kinds of crops and native plants; and kinds of bedrock. They dug many holes to study the soil profile—the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed. Unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in the survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After soil scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

General Soil Map Units

The general soil map in this publication shows broad areas that have a distinctive pattern of soils, relief, and drainage. Each map unit on the general soil map is a unique natural landscape. Typically, it consists of one or more major soils or miscellaneous areas and some minor soils or miscellaneous areas. It is named for the major soils or miscellaneous areas. The components of one map unit can occur in another but in a different pattern.

The general soil map can be used to compare the suitability of large areas for general land uses. Areas of suitable soils can be identified on the map. Likewise, areas where the soils are not suitable can be identified.

Because of its small scale, the map is not suitable for planning the management of a farm or field or for selecting a site for a road or building or other structure. The soils in any one map unit differ from place to place in slope, depth, drainage, and other characteristics that affect management.

Soils that formed in mixed alluvium on flood plains, stream terraces, and marshes

Number of map units: 3

Percentage of survey area: 22 percent

1. Bear Lake-Lago-Bern

Nearly level, somewhat poorly to very poorly drained, very deep soils formed in mixed silty alluvium; on flood plains and stream terraces (fig. 2)

Percentage of survey area: 15 percent

Elevation: 5,810 to 6,595 feet

Frost-free period: 70 to 90 days

Average annual precipitation: 11 to 24 inches

Major components

Bear Lake soils on flood plains

Lago soils on low terraces

Bern soils on slightly higher terraces

Minor components

La Roco and Ovidcreek soils on terraces that are salt affected

Raynal, Chesbrook, and Thomasfork soils on low terraces

Uses and Limitations

Major uses: Pastureland, hayland, irrigated grain, and wetland wildlife habitat

Limitations for use: High water table, low bearing strength, and rare flooding hazard

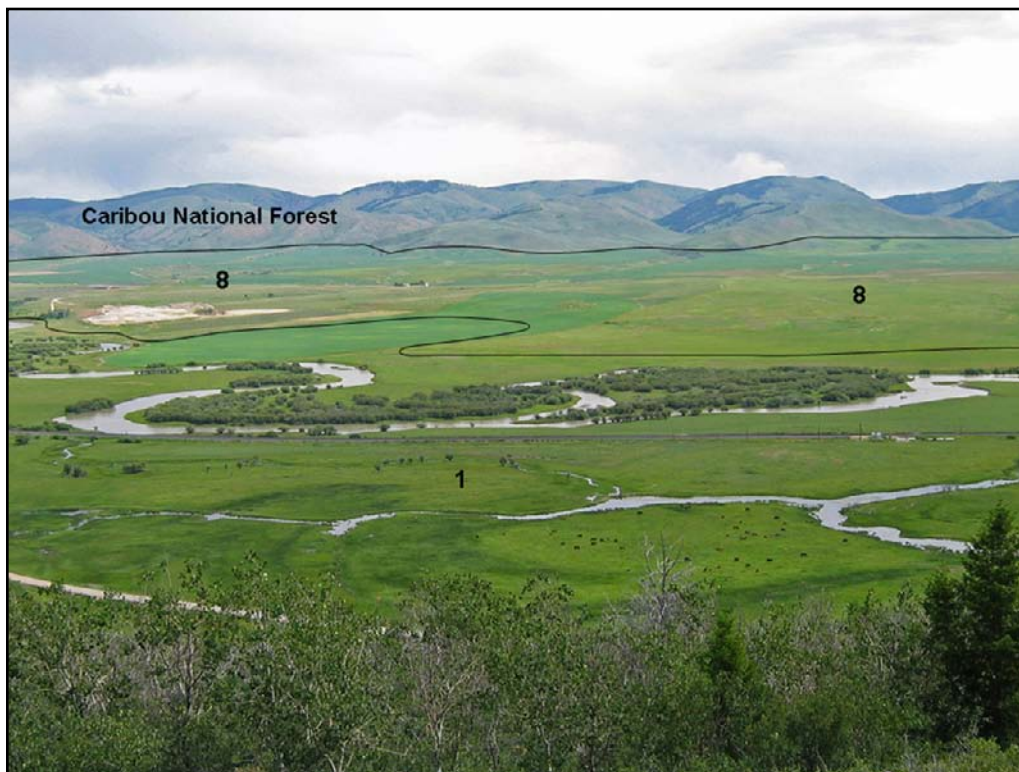


Figure 2.—The Bear River runs through general map unit 1, Bear Lake-Lago-Bern. General map unit 8, Joes-Bancroft-Thatcher, is in the middle ground, and the Caribou National Forest in the Aspen Mountain Range is in the background.

2. Merkley-Millerditch-Ream

Nearly level to gently sloping, moderately well to poorly drained, very deep soils formed in mixed alluvium; on stream terraces in areas that have or had higher stream velocities (fig. 3)

Percentage of survey area: 4 percent

Elevation: 5,810 to 6,565 feet

Frost-free period: 70 to 90 days

Average annual precipitation: 13 to 25 inches

Major components

Merkley soils on slightly higher stream terraces

Millerditch and Ream soils on low stream terraces

Minor components

Nuffer, Blackotter, and Cookcan soils on similar positions

Bearbou and Marshdale soils on low terraces on tributaries to the Bear River

Uses and Limitations

Major uses: Pastureland, hayland, irrigated grain, and wetland wildlife habitat

Limitations for use: Moderate depth to a water table in the Millerditch soil and depth to sand and gravel



Figure 3.—View to the west looking across Eight Mile Creek. General map unit 6, Rexburg-Iphill-Kucera, is in the foreground; general map unit 2, Merkley-Millerditch-Ream, is in the middle ground with cattle grazing; general map unit 5, Hagenbarth-Clegg-Hades, is on the lower slopes of the hills with general map unit 4, Cedarhill-Wursten-Arbone, on the steeper slopes. The Cache National Forest in the Bear River Range of the Wasatch Mountains is in the background.

3. Dinswamp-Bloomington-Dingle

Nearly level, very poorly drained, very deep soils formed in organic matter over silty alluvium; on marshes and lakebeds (fig. 4)

Percentage of survey area: 3 percent

Elevation: 5,920 to 5,975 feet

Frost-free period: 70 to 100 days

Average annual precipitation: 11 to 14 inches

Major components

Dinswamp, Bloomington, and Dingle soils on marshes and lake beds

Minor components

Sadducee and Bearbeach soils on lake shores and backswamps

Bear Lake soils on flood plains

La Roco soils on low terrace remnants

Uses and Limitations

Major uses: Wetland wildlife habitat

Limitations for use: High water table and frequent ponding hazard

Soils that formed in mixed alluvium and loess and that are influenced by volcanic ash, predominantly on fan remnants and hills

Number of map units: 9

Percentage of survey area: 39 percent

4. Cedarhill-Wursten-Arbone

Strongly sloping to moderately steep, well drained, very deep soils formed in mixed, calcareous alluvium; on fan remnants and hills (fig. 3, fig. 4)

Percentage of survey area: 8 percent

Elevation: 5,810 to 7,665 feet

Frost-free period: 65 to 90 days

Average annual precipitation: 13 to 26 inches

Major components

Cedarhill and Wursten soils on slightly convex to convex areas

Arbone soils on smooth to slightly concave areas



Figure 4.—View south along the west side of the Bear Lake Plateau. Foreground is general map unit 4, Cedarhill-Wursten-Arbone. The abrupt rise in the middle ground and background is in general map unit 13, Spollow-Lonjon-Mumford and is the western side of the Bear Lake Plateau. General map unit 3, Dinswamp-Bloomington-Dingle, is in the middle ground, right side, with part of Bear Lake immediately behind.

Minor components

Clegg soils on concave areas on hills
Georgecanyon soils on smooth areas on fan remnants
Bezzant soils on similar positions as Cedarhill and Wursten soils

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland, rangeland, and wildlife habitat
Limitations for use: Depth to sand and gravel in the Cedarhill soil, slope, and the hazard of water erosion

5. Hagenbarth-Clegg-Hades

Strongly sloping to moderately steep, well drained, very deep soils formed in mixed silty alluvium with loess influence; on fan remnants, hills, and mountains (fig. 3)

Percentage of survey area: 6 percent
Elevation: 5,840 to 7,645 feet
Frost-free period: 70 to 90 days
Average annual precipitation: 13 to 26 inches

Major components

Clegg soils on concave positions
Hagenbarth soils on smooth to slightly convex positions
Hades soils on smooth to slightly concave positions

Minor components

Frenchollow and Broadhead soils on positions similar to Hagenbarth
Lanoak soils on similar positions as Clegg soils

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland, rangeland, and wildlife habitat
Limitations for use: Slope and hazard of water erosion

6. Rexburg-Iphill-Kucera

Nearly level to moderately steep, well drained, very deep soils formed in mixed silty alluvium derived from loess; on fan remnants and hills (fig. 3)

Percentage of survey area: 6 percent
Elevation: 5,820 to 7,500 feet
Frost-free period: 70 to 100 days
Average annual precipitation: 13 to 21 inches

Major components

Rexburg and Kucera soils on smooth to concave positions
Iphill soils on slightly convex positions

Minor components

Watercanyon soils on convex positions
Ririe soils on similar positions to Iphill
Lanoak soils on similar positions to Kucera

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland, rangeland, and wildlife habitat

Limitations for use: Slope and hazard of water erosion

7. Cupine-Dipcreek-Vipont

Moderately steep to steep, well drained, shallow to moderately deep soils formed in mixed alluvium and residuum; on hills

Percentage of survey area: 5, percent

Elevation: 5,910 to 7,665 feet

Frost-free period: 70 to 100 days

Average annual precipitation: 14 to 26 inches

Major components

Cupine, Vipont, and Dipcreek soils on smooth to convex positions

Minor components

Cleavage, Hutchley, Horrocks, and Dollarhide soils on similar positions

Dry Canyon soils on smooth to concave positions

Uses and Limitations

Major uses: Rangeland and wildlife habitat

Limitations for use: Slope, shallow to moderate depth to bedrock, low available water-holding capacity, and hazard of water erosion

8. Joes-Bancroft-Thatcher

Nearly level to moderately steep, well drained, very deep soils formed in mixed silty alluvium derived from loess; on fan remnants and hills (fig. 2)

Percentage of survey area: 4 percent

Elevation: 5,835 to 7,260 feet

Frost-free period: 70 to 100 days

Average annual precipitation: 13 to 24 inches

Major components

Joes, Bancroft, and Thatcher soils on smooth to slightly concave positions

Minor components

Rexburg and Hades soils on similar positions

Ririe and Iphill soils on slightly convex to convex positions

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland, rangeland, and wildlife habitat

Limitations for use: Slope and hazard of water erosion

9. Buist-Pegram-Georgecanyon

Nearly level to gently sloping, well drained, very deep soils formed in mixed coarse alluvium; on fan remnants and hills

Percentage of survey area: 4 percent

Elevation: 5,835 to 7,050 feet

Frost-free period: 70 to 100 days

Average annual precipitation: 13 to 24 inches

Major components

Buist, Pegram, and Georgecanyon soils on smooth to slightly convex positions

Minor components

Benning soils on smooth positions

Drage soils on concave positions

Arbone soils on slightly higher, convex areas

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland and wildlife habitat

Limitations for use: Depth to sand and gravel and low water-holding capacity

10. Swanpeak-Streek-Antflat

Gently sloping to moderately steep, well drained, very deep soils formed in clayey alluvium with some loess influence; on fan remnants and hills

Percentage of survey area: 4 percent

Elevation: 5,810 to 7,185 feet

Frost-free period: 70 to 100 days

Average annual precipitation: 13 to 25 inches

Major components

Swanpeak and Streek soils on slightly convex positions

Antflat soils on smooth to slightly concave positions

Minor components

Dutchcanyon, Cleavage, and Cedarhill on slightly convex to convex positions

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland, rangeland, and wildlife habitat

Limitations for use: Slow permeability, coarse fragments in the Swanpeak soil, and hazard of water erosion

11. Hoopgobel-Burchert-Redpine

Moderately steep, well drained, moderately deep soils formed in mixed alluvium with volcanic-ash influence; on hills

Percentage of survey area: 1 percent

Elevation: 5,850 to 7,090 feet

Frost-free period: 70 to 90 days

Average annual precipitation: 15 to 24 inches

Major components

Hoopgobel and Burchert soils on concave positions

Redpine soils on convex positions

Minor components

Draney and Brushtop soils on positions similar to Redpine

Cedarhill soils on smooth to convex positions in areas influenced by limestone

Crossley soils on summits and shoulders in areas influenced by limestone

Uses and Limitations

Major uses: Rangeland and wildlife habitat

Limitations for use: Moderate depth to weakly cemented volcanic ash, slope, and hazard of water erosion

12. Bearhollow-Brifox-lphill

Gently sloping to moderately steep, well drained, very deep soils formed in mixed silty alluvium; on fan remnants and hills

Percentage of survey area: 1 percent

Elevation: 5,880 to 7,110 feet

Frost-free period: 70 to 100 days

Average annual precipitation: 13 to 21 inches

Major components

Bearhollow, Brifox, and lphill soils on smooth to convex positions

Minor components

Niter soils on similar positions

Lizdale and Bancroft soils on smooth to slightly concave positions

Uses and Limitations

Major uses: Irrigated and nonirrigated cropland, rangeland, and wildlife habitat

Limitations for use: Slow permeability and slumping hazard in the Brifox soil and hazard of water erosion

Soils that formed in mixed alluvium and residuum on plateaus, mountains, and hills

Number of map units: 5

Percentage of survey area: 30 percent

13. Sprollow-Lonjon-Mumford

Moderately steep to steep, well drained, shallow to moderately deep soils formed in calcareous alluvium and residuum of limestone with some loess influence; on plateaus and mountains (fig. 4)

Percentage of survey area: 13 percent

Elevation: 5,875 to 7,835 feet

Frost-free period: 70 to 90 days

Average annual precipitation: 13 to 26 inches

Major components

Sprollow, Lonjon, and Mumford soils on smooth to convex positions

Minor components

Every, Preuss, Pinegap, and Preussrange on similar positions

Uses and Limitations

Major uses: Rangeland and wildlife habitat

Limitations for use: Slope, shallow to moderate depth to limestone, and the hazard of water erosion

14. Jebo-Warshod-Slan

Moderately steep to steep, somewhat excessively to well drained, moderately deep and deep soils formed in alluvium and residuum of sandstone; on plateaus and mountains (fig. 5)

Percentage of survey area: 7 percent

Elevation: 5,990 to 7,850 feet

Frost-free period: 65 to 90 days

Average annual precipitation: 13 to 25 inches

Major components

Jebo and Slan soils on convex, south-facing positions

Warshod soils on smooth to concave, north-facing positions

Minor components

Cupine soils on convex, north-facing positions

Cooley soils on similar positions to Jebo and Slan

Beehunt and Boydhollow soils on similar positions to Warshod

Uses and Limitations

Major uses: Rangeland and wildlife habitat

Limitations for use: Slope, moderate to deep depth to sandstone, and hazard of water erosion



Figure 5.—View to the northeast on the Bear Lake Plateau. General map unit 15, Vicking-Springhollow-Arbone, is in the foreground; general map unit 14, Jebo-Warshod-Slan, is in the middle ground; general map unit 17, Cokeville-Pontuge, in the background at the higher elevations.

15. Vicking-Springhollow-Arbone

Nearly level to moderately steep, well drained, moderately deep to very deep soils formed in mixed alluvium and residuum with some loess influence; on plateaus, hills, and ridges (fig. 5)

Percentage of survey area: 4 percent

Elevation: 5,900 to 7,495 feet

Frost-free period: 65 to 90 days

Average annual precipitation: 13 to 24 inches

Major components

Vicking soils on smooth to slightly concave positions

Springhollow and Arbone soils on smooth to slightly convex positions

Minor components

Cokeville and Watkins Ridge soils on similar positions to Vicking

Uses and Limitations

Major uses: Nonirrigated cropland, rangeland, and wildlife habitat

Limitations for use: Slope, moderate to deep depth to a duripan in the Springhollow soil, and the hazard of water erosion

16. Dranburn-Dranyon-Lag

Moderately steep to steep, well drained, very deep soils formed in mixed alluvium and residuum; on mountains

Percentage of survey area: 4 percent

Elevation: 5,880 to 7,655 feet

Frost-free period: 65 to 90 days

Average annual precipitation: 14 to 26 inches

Major components

Dranburn, Dranyon, and Lag soils on smooth to concave, north-facing positions

Minor components

Bailcreek, Dollarhide, and Pavorhoo on similar positions

Uses and Limitations

Major uses: Wildlife habitat

Limitations for use: Slope and the hazard of water erosion

17. Cokeville-Pontuge

Strongly sloping to moderately steep, somewhat excessively to well drained, moderately deep and deep soils formed in alluvium and residuum of sandstone; on plateaus and mountains ([fig. 5](#))

Percentage of survey area: 2 percent

Elevation: 6,600 to 7,700 feet

Frost-free period: 65 to 90 days

Average annual precipitation: 15 to 18 inches

Major components

Pontuge soils on concave north-facing positions

Cokeville soils on smooth, south-facing positions

Minor components

Boundridge soils on ridge tops

Sweetcreek soils on convex positions

Uses and Limitations

Major uses: Rangeland and wildlife habitat

Limitations for use: Slope, moderate to deep depth to sandstone, and hazard of water erosion

Water

Percentage of survey area: 9 percent

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Detailed Soil Map Units

The map units delineated on the detailed soil maps in this survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this section, along with the maps, can be used to determine the suitability and potential of a unit for specific uses. They also can be used to plan the management needed for those uses.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. The contrasting components are mentioned in the map unit descriptions. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives the principal hazards and limitations to be considered in planning for specific uses.

Soils that have profiles that are almost alike make up a *soil series*. The soils of a series have major horizons that are similar in composition, thickness, and arrangement. The soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name

of a soil phase commonly indicates a feature that affects use or management. For example, Thatcher silt loam, dry, 1 to 10 percent slopes is a phase the Thatcher series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

This survey includes *complexes*. A complex consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Bear Lake-Lago complex, 0 to 2 percent slopes is an example.

This survey includes *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Each detailed soil map unit is assigned to a *major land resource* area (MLRA) (USDA Agriculture Handbook 296). The MLRA for each detailed soil map unit is given in this section. Some map units, such as Rock outcrop, Water, and other miscellaneous areas, may not be assigned to a single MLRA because the unit can occur in any MLRA.

The “[Acreage and Proportionate Extent of the Soils](#)” table gives the acreage and proportionate extent of each map unit. Other tables give properties of the soils and the limitations, capabilities, and potentials for many uses. The “[Glossary](#)” defines many of the terms used in describing the soils or miscellaneous areas.

1—Ant Flat silty clay loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 6,350 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Ant Flat and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Ant Flat Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 5 inches; gravelly silty clay loam

BAt—5 to 9 inches; gravelly silty clay loam

Bt—9 to 25 inches; gravelly clay

Btk1—25 to 38 inches; gravelly clay

Btk2—38 to 60 inches; gravelly clay loam

Dissimilar Minor Components

Bancroft soils

Composition: 10 percent

Landform: Fan remnants

Joes soils

Composition: 10 percent

Landform: Fan remnants

Thatcher soils

Composition: 5 percent

Landform: Fan remnants

2—Ant Flat silty clay loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 7,150 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Ant Flat and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Ant Flat Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silty clay loam
A2—2 to 5 inches; gravelly silty clay loam
BA1—5 to 9 inches; gravelly silty clay loam
Bt—9 to 25 inches; gravelly clay
Btk1—25 to 38 inches; gravelly clay
Btk2—38 to 60 inches; gravelly clay loam

Dissimilar Minor Components

Wursten soils

Composition: 10 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Footslope

Bezzant soils

Composition: 5 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Footslope

Thatcher soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Footslope

3—Ant Flat silty clay loam, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,980 to 6,610 feet
Mean annual precipitation: 13 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Ant Flat and similar soils: 80 percent
Dissimilar minor components: 20 percent

Characteristics of Ant Flat Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: East
Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium
Slope range: 12 to 20 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silty clay loam
A2—2 to 5 inches; gravelly silty clay loam
BA1—5 to 9 inches; gravelly silty clay loam
Bt—9 to 25 inches; gravelly clay
Btk1—25 to 38 inches; gravelly clay
Btk2—38 to 60 inches; gravelly clay loam

Dissimilar Minor Components

Wursten soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Bezzant soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Thatcher soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

4—Arbone silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,940 to 5,970 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 41 to 45 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Arbone and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Arbone Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bw—9 to 18 inches; silt loam

Bk—18 to 34 inches; silt loam

BCk—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Buist soils

Composition: 5 percent

Landform: Fan remnants

Cedarhill soils

Composition: 5 percent

Landform: Fan remnants

Watercanyon soils

Composition: 5 percent

Landform: Fan remnants

5—Arbone silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,820 to 6,370 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Arbone and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Arbone Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: North to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bw—9 to 18 inches; silt loam

Bk—18 to 34 inches; silt loam

Bck—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Wursten soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Bearhollow soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Buist soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

6—Arbone silt loam, dry, 8 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,960 to 7,010 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Arbone, dry and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Arbone, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 8 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bw—9 to 18 inches; silt loam

Bk—18 to 34 inches; silt loam

BCK—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Wursten, dry soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Bearhollow, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Buist, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

7—Arbone-Wursten complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,840 to 6,160 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Arbone and similar soils: 60 percent

Wursten and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Arbone Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Toeslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bw—9 to 18 inches; silt loam

Bk—18 to 34 inches; silt loam

Bck—34 to 60 inches; gravelly silt loam

Characteristics of Wursten Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Toeslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Southwest
Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium
Slope range: 1 to 4 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 3c
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Rexburg soils

Composition: 10 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Toeslope

Iphil soils

Composition: 5 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Toeslope

8—Arbone-Wursten complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,880 to 6,650 feet
Mean annual precipitation: 13 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Arbone and similar soils: 55 percent
Wursten and similar soils: 35 percent
Dissimilar minor components: 10 percent

Characteristics of Arbone Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Southwest
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam
A2—5 to 9 inches; silt loam
Bw—9 to 18 inches; silt loam
Bk—18 to 34 inches; silt loam
BCK—34 to 60 inches; gravelly silt loam

Characteristics of Wursten Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Southwest
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Iphil soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope

Rexburg soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope

9—Arbone-Wursten complex, dry, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,120 to 6,490 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Arbone, dry and similar soils: 55 percent
Wursten, dry and similar soils: 35 percent
Dissimilar minor components: 10 percent

Characteristics of Arbone, dry Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: North
Aspect - range: Southwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches

Soil Survey of Bear Lake County Area, Idaho

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 5 inches; silt loam
A2—5 to 9 inches; silt loam
Bw—9 to 18 inches; silt loam
Bk—18 to 34 inches; silt loam
BCk—34 to 60 inches; gravelly silt loam

Characteristics of Wursten, dry Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: North
Aspect - range: Southwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Iphil, dry soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Rexburg, dry soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

10—Bailcreek-Dranburn complex, 10 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,110 to 6,800 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Bailcreek and similar soils: 75 percent

Dranburn and similar soils: 20 percent

Dissimilar minor components: 5 percent

Characteristics of Bailcreek Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed clayey slope alluvium and/or colluvium

Slope range: 10 to 50 percent

Depth to restrictive feature: 7 to 19 inches to abrupt textural change

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 7.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material

A1—1 to 6 inches; stony loam

A2—6 to 14 inches; very cobbly loam
Bt—14 to 19 inches; very cobbly silty clay
Btss1—19 to 32 inches; very cobbly clay
Btss2—32 to 43 inches; very cobbly clay
Btk—43 to 60 inches; very cobbly clay

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex, concave
Aspect - representative: Northeast
Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and or colluvium
Slope range: 10 to 50 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material
A1—2 to 11 inches; silt loam
A2—11 to 17 inches; silt loam
Bt1—17 to 28 inches; silty clay loam
Bt2—28 to 38 inches; silty clay loam
BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Slights soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope

11—Bailcreek-Toponce complex, 4 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 6,040 to 6,650 feet
Mean annual precipitation: 20 to 24 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 50 to 70 days

Map Unit Composition

Bailcreek and similar soils: 55 percent
Toponce and similar soils: 40 percent
Dissimilar minor components: 5 percent

Characteristics of Bailcreek Soils

Setting

Landform: Mountain slopes, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Concave
Aspect - representative: East
Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Mixed clayey slope alluvium and/or colluvium
Slope range: 4 to 20 percent
Depth to restrictive feature: 7 to 19 inches to abrupt textural change
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 7.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material
A1—1 to 6 inches; stony loam
A2—6 to 14 inches; very cobbly loam
Bt—14 to 19 inches; very cobbly silty clay
Btss1—19 to 32 inches; very cobbly clay
Btss2—32 to 43 inches; very cobbly clay
Btk—43 to 60 inches; very cobbly clay

Characteristics of Toponce Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Concave, convex
Aspect - representative: East
Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Clayey slope alluvium and/or colluvium derived from metasedimentary rock and/or sedimentary rock
Slope range: 4 to 20 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

A—0 to 3 inches; silt loam

Bt1—3 to 20 inches; silty clay

Bt2—20 to 24 inches; silty clay

Bt3—24 to 36 inches; clay

Bt4—36 to 60 inches; clay

Dissimilar Minor Components

Slights soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

12—Bancroft silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,850 to 6,380 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bancroft and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Bancroft Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0
Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; silt loam
AB—4 to 12 inches; silt loam
Bt1—12 to 18 inches; silt loam
Bt2—18 to 32 inches; silt loam
Bt3—32 to 39 inches; silt loam
Bk1—39 to 46 inches; silt loam
Bk2—46 to 60 inches; loam

Dissimilar Minor Components

Joes soils

Composition: 10 percent

Landform: Fan remnants

Rexburg soils

Composition: 5 percent

Landform: Fan remnants

Ririe soils

Composition: 5 percent

Landform: Fan remnants

13—Bancroft silt loam, 4 to 12 percent slopes

Map Unit Setting (fig. 6)

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,880 to 6,670 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bancroft and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Bancroft Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Northeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 4 to 12 percent



Figure 6.—An area of dryland wheat growing on detailed map unit 13, Bancroft silt loam, 4 to 12 percent slopes, north of Bern

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; silt loam

AB—4 to 12 inches; silt loam

Bt1—12 to 18 inches; silt loam

Bt2—18 to 32 inches; silt loam

Bt3—32 to 39 inches; silt loam

Bk1—39 to 46 inches; silt loam

Bk2—46 to 60 inches; loam

Dissimilar Minor Components

Rexburg soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Joels soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Ririe soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

14—Bancroft silt loam, 12 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 6,340 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bancroft and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Bancroft Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or colluvium

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; silt loam
AB—4 to 12 inches; silt loam
Bt1—12 to 18 inches; silt loam
Bt2—18 to 32 inches; silt loam
Bt3—32 to 39 inches; silt loam
Bk1—39 to 46 inches; silt loam
Bk2—46 to 60 inches; loam

Dissimilar Minor Components

Arbone soils

Composition: 5 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope

Joes soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope

Ririe soils

Composition: 5 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope

**15—Bear Lake-Bear Lake, ponded complex,
0 to 1 percent slopes**

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,880 to 6,570 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Bear Lake and similar soils: 55 percent
Bear Lake, ponded and similar soils: 25 percent
Dissimilar minor components: 20 percent

Characteristics of Bear Lake Soils

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium
Slope range: 0 to 1 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: Rare (see Water Features table)

Soil Survey of Bear Lake County Area, Idaho

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very high (about 13.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material

A—2 to 10 inches; silty clay loam

Bkg1—10 to 22 inches; silty clay loam

Bkg2—22 to 37 inches; silty clay loam

Bkg3—37 to 46 inches; silty clay loam

Bkg4—46 to 58 inches; silty clay loam

Cg—58 to 63 inches; silty clay loam

Characteristics of Bear Lake, ponded Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium

Slope range: 0 to 1 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: Frequent (see Water Features table)

Seasonal high water table minimum depth: At the soil surface to 10 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very high (about 13.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: MARSH TYLA-SCAC3 (R013XY054ID)

Typical profile

Oe—0 to 2 inches; mucky peat

A—2 to 10 inches; silty clay loam

Bkg1—10 to 22 inches; silty clay loam

Bkg2—22 to 37 inches; silty clay loam

Bkg3—37 to 46 inches; silty clay loam

Bkg4—46 to 58 inches; silty clay loam

Cg—58 to 63 inches; silty clay loam

Dissimilar Minor Components

Bern soils

Composition: 5 percent

Landform: Stream terraces

La Roco soils

Composition: 5 percent

Landform: Flood plains

Lago soils

Composition: 5 percent

Landform: Flood plains

Raynal soils

Composition: 5 percent

Landform: Flood plains

16—Bear Lake-Chesbrook-La Roco complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,810 to 6,400 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bear Lake and similar soils: 40 percent

Chesbrook and similar soils: 25 percent

La Roco and similar soils: 15 percent

Dissimilar minor components: 20 percent

Characteristics of Bear Lake Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very high (about 13.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material

A—2 to 10 inches; silty clay loam

Bkg1—10 to 22 inches; silty clay loam

Bkg2—22 to 37 inches; silty clay loam

Bkg3—37 to 46 inches; silty clay loam

Bkg4—46 to 58 inches; silty clay loam

Cg—58 to 63 inches; silty clay loam

Characteristics of Chesbrook Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 8 to 25 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 2.0

Available water capacity (entire profile): Very high (about 12.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material

Akg1—2 to 13 inches; silt loam

Akg2—13 to 20 inches; silt loam

Bkg1—20 to 31 inches; silt loam

Bkg2—31 to 36 inches; silt loam

Bkg3—36 to 48 inches; silt loam

2Ckg1—48 to 56 inches; silt loam

2Ckg2—56 to 62 inches; silt loam

Characteristics of La Roco Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 40 to 60 inches to strongly contrasting textural stratification

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 30 to 40 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3w

Land capability subclass (irrigated): 3w

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 11 inches; silty clay loam

Bk1—11 to 20 inches; silty clay loam

Bk2—20 to 26 inches; silt loam

Bk3—26 to 34 inches; silt loam

Bk4—34 to 42 inches; silt loam

2Cg1—42 to 49 inches; fine sandy loam

2Cg2—49 to 59 inches; very fine sandy loam

3C—59 to 62 inches; extremely gravelly loamy sand

Dissimilar Minor Components

Bern soils

Composition: 10 percent

Landform: Stream terraces

Bear Lake, ponded soils

Composition: 5 percent

Landform: Flood plains

Lago soils

Composition: 5 percent

Landform: Flood plains

17—Bear Lake-Lago complex, 0 to 2 percent slopes

Map Unit Setting (fig. 7, fig. 8)

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,840 to 6,450 feet

Mean annual precipitation: 12 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

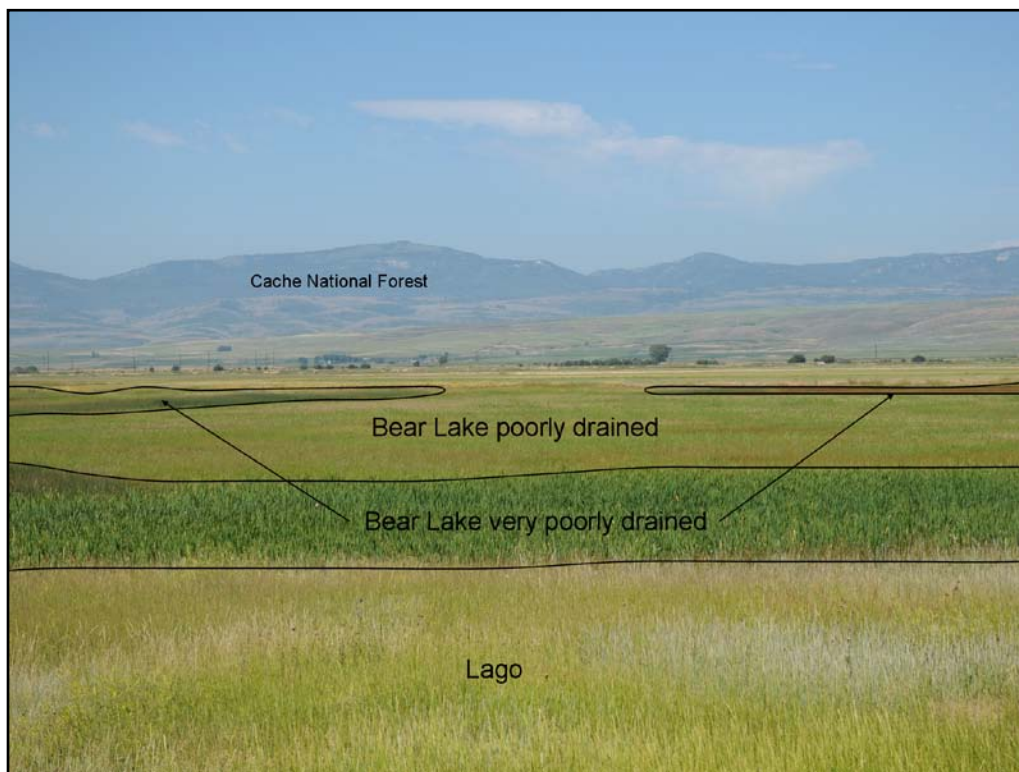


Figure 7.—Vegetative patterns in detailed map unit 17, Bear Lake-Lago complex, 0 to 2 percent slopes. Lago soils are in the foreground; Bear Lake very poorly drained soils are on old stream meanders and concave areas and support rushes and cattails (dark green areas); and Bear Lake soils are in the middle ground on slightly lower positions than Lago soils. The Cache National Forest in the Bear River Range is in the background.

Map Unit Composition

Bear Lake and similar soils: 50 percent

Lago and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Bear Lake Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Soil Survey of Bear Lake County Area, Idaho

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very high (about 13.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material

A—2 to 10 inches; silty clay loam

Bkg1—10 to 22 inches; silty clay loam

Bkg2—22 to 37 inches; silty clay loam

Bkg3—37 to 46 inches; silty clay loam

Bkg4—46 to 58 inches; silty clay loam

Cg—58 to 63 inches; silty clay loam

Characteristics of Lago Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Silty alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches



Figure 8.—Late March flooding of Stauffer Creek near Nounan on detailed map unit 17, Bear Lake-Lago complex, 0 to 2 percent slopes

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 8 inches; silt loam

Bk1—8 to 13 inches; silt loam

Bk2—13 to 19 inches; silt loam

Bk3—19 to 29 inches; silty clay loam

Bkg—29 to 38 inches; silty clay loam

BCK1—38 to 45 inches; silt loam

BCK2—45 to 55 inches; silt loam

2C—55 to 60 inches; fine sandy loam

Dissimilar Minor Components

Bear Lake, ponded soils

Composition: 5 percent

Landform: Flood plains

La Roco soils

Composition: 5 percent

Landform: Flood plains

Raynal soils

Composition: 5 percent

Landform: Flood plains

18—Bearbou silt loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,860 to 6,330 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bearbou and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Bearbou Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium over gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 9 to 15 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 9.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 3 inches; silt loam

Bw1—3 to 9 inches; silty clay loam

Bw2—9 to 22 inches; silty clay loam

Bg1—22 to 28 inches; silty clay

Bg2—28 to 36 inches; gravelly clay loam

2Cg—36 to 60 inches; very gravelly loam

Dissimilar Minor Components

Nythar soils

Composition: 10 percent

Landform: Flood plains

Marshdale soils

Composition: 5 percent

Landform: Flood plains

19—Bearhollow-Brifox-Iphil complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,980 to 6,480 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bearhollow and similar soils: 30 percent

Brifox and similar soils: 25 percent

Iphil and similar soils: 20 percent

Dissimilar minor components: 25 percent

Characteristics of Bearhollow Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Southwest
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: 40 to 60 inches to abrupt textural change
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 5.0
Available water capacity (entire profile): High (about 9.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 6 inches; gravelly loam
Bk1—6 to 11 inches; loam
Bk2—11 to 20 inches; loam
Bk3—20 to 24 inches; loam
BCk—24 to 33 inches; fine sandy loam
2Ck1—33 to 44 inches; loamy fine sand
3Ck2—44 to 62 inches; silty clay loam

Characteristics of Brifox Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Lacustrine deposits
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A—0 to 8 inches; silty clay loam

Bw—8 to 15 inches; silty clay

Bss—15 to 21 inches; silty clay

Bkss1—21 to 32 inches; silty clay

Bkss2—32 to 40 inches; silty clay

Bkss3—40 to 60 inches; silty clay

Characteristics of Iphil Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Dissimilar Minor Components

Watercanyon soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Ririe soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Wursten soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

20—Bearhollow-Brifox-Iphil complex, 12 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,980 to 6,940 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bearhollow and similar soils: 30 percent

Brifox and similar soils: 25 percent

Iphil and similar soils: 20 percent

Dissimilar minor components: 25 percent

Characteristics of Bearhollow Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Mixed alluvium and/or colluvium

Slope range: 12 to 35 percent

Depth to restrictive feature: 40 to 60 inches to abrupt textural change

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 5.0

Available water capacity (entire profile): High (about 9.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 6 inches; gravelly loam

Bk1—6 to 11 inches; loam

Bk2—11 to 20 inches; loam
Bk3—20 to 24 inches; loam
BCk—24 to 33 inches; fine sandy loam
2Ck1—33 to 44 inches; loamy fine sand
3Ck2—44 to 62 inches; silty clay loam

Characteristics of Brifox Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Lacustrine deposits
Slope range: 12 to 35 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A—0 to 8 inches; silty clay loam
Bw—8 to 15 inches; silty clay
Bss—15 to 21 inches; silty clay
Bkss1—21 to 32 inches; silty clay
Bkss2—32 to 40 inches; silty clay
Bkss3—40 to 60 inches; silty clay

Characteristics of Iphil Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or colluvium
Slope range: 12 to 30 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Dissimilar Minor Components

Cedarhill soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Watercanyon soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

21—Benning silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,910 to 6,510 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Benning and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Benning Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to north (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium over gravelly alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 9.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

Bk1—7 to 18 inches; silt loam

Bk2—18 to 28 inches; silty clay loam

Bk3—28 to 37 inches; gravelly silty clay loam

Bk4—37 to 49 inches; silt loam

2Bkq—49 to 60 inches; extremely gravelly silt loam

Dissimilar Minor Components

Bezzant soils

Composition: 10 percent

Landform: Fan remnants

22—Bern silt loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,870 to 6,490 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bern and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Bern Soils

Setting

Landform: Stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 30 to 40 inches (see Water Features table)

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Very high (about 12.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 9 inches; silt loam

ABk—9 to 16 inches; silty clay loam

Btk—16 to 26 inches; silty clay loam

Bk1—26 to 34 inches; silt loam

Bk2—34 to 47 inches; silty clay loam

C1—47 to 55 inches; silt loam

C2—55 to 65 inches; very fine sandy loam

Dissimilar Minor Components

Lago soils

Composition: 5 percent

Landform: Flood plains

Merkley soils

Composition: 5 percent

Landform: Stream terraces

23—Bezzant gravelly silt loam, 8 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,990 to 6,570 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bezzant and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Bezzant Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly alluvium and/or colluvium

Slope range: 8 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; gravelly silt loam

A2—5 to 10 inches; very gravelly silt loam

Bk1—10 to 24 inches; very gravelly clay loam

Bk2—24 to 37 inches; very gravelly clay loam

Bk3—37 to 60 inches; very gravelly loam

Dissimilar Minor Components

Cedarhill soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Wursten soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Lonjon soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

24—Bezzant-Swanpeak complex, 4 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,160 to 6,820 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bezzant and similar soils: 45 percent
Swanpeak and similar soils: 45 percent
Dissimilar minor components: 10 percent

Characteristics of Bezzant Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: East to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly slope alluvium and/or colluvium
Slope range: 4 to 35 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 6.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; gravelly silt loam
A2—5 to 10 inches; very gravelly silt loam
Bk1—10 to 24 inches; very gravelly clay loam
Bk2—24 to 37 inches; very gravelly clay loam
Bk3—37 to 60 inches; very gravelly loam

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, backslope, footslope, toeslope
Down-slope shape: Linear
Across-slope shape: Linear, convex
Aspect - representative: Northeast
Aspect - range: North to east (clockwise)

Properties and qualities

Parent material: Loess influenced clayey slope alluvium and/or colluvium
Slope range: 4 to 15 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam
A2—6 to 15 inches; silty clay loam
AB—15 to 18 inches; cobbly silty clay loam
Bt1—18 to 24 inches; very cobbly clay
Bt2—24 to 35 inches; very cobbly clay
Bt3—35 to 60 inches; extremely cobbly clay

Dissimilar Minor Components

Cedarhill soils

Composition: 10 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope

25—Bischoff-Hagenbarth complex, 15 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,310 to 7,310 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 50 to 70 days

Map Unit Composition

Bischoff and similar soils: 55 percent
Hagenbarth and similar soils: 40 percent
Dissimilar minor components: 5 percent

Characteristics of Bischoff Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope
Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: North
Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed silty colluvium
Slope range: 15 to 50 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 11.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; silt loam
AB—4 to 16 inches; silt loam
Bt1—16 to 29 inches; silty clay loam
Bt2—29 to 47 inches; silty clay loam
Bt3—47 to 61 inches; silty clay

Characteristics of Hagenbarth Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope
Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: North
Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced colluvium
Slope range: 15 to 50 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Sodium adsorption ratio is about 1.5
Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 13 inches; silt loam
Bt1—13 to 20 inches; silt loam
Bt2—20 to 44 inches; silt loam
Bt3—44 to 61 inches; silty clay loam

Dissimilar Minor Components

Zeebar soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

26—Bloomington muck, 0 to 2 percent slopes

Map Unit Setting (fig. 9)

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,930 to 5,960 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Bloomington and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Bloomington Soils

Setting

Landform: Lakebeds

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Lacustrine deposits

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: Frequent (see Water Features table)

Seasonal high water table minimum depth: At the soil surface to 10 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 0.5

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: MARSH TYLA-SCAC3 (R013XY054ID)

Typical profile

Oa—0 to 3 inches; muck

A1—3 to 10 inches; mucky silt loam

A2—10 to 21 inches; silty clay loam

Bg—21 to 32 inches; silty clay loam

Cg1—32 to 42 inches; silty clay loam

Cg2—42 to 48 inches; silty clay loam

Cg3—48 to 60 inches; silt loam

Dissimilar Minor Components

Bear Lake, ponded soils

Composition: 5 percent

Landform: Flood plains

Dingle soils

Composition: 5 percent

Landform: Marshes



Figure 9.—View to the west. In the foreground is detailed map unit 37, Buist gravelly silt loam, dry, 4 to 12 percent slopes. Detailed map unit 26, Bloomington muck, 0 to 2 percent slopes, is in the middle ground, and the Bear River Range is in the background.

Dinswamp soils

Composition: 5 percent

Landform: Marshes

La Roco soils

Composition: 5 percent

Landform: Lakebeds

27—Boundridge-Sweetcreek complex, 3 to 15 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,870 to 7,700 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Boundridge and similar soils: 75 percent

Sweetcreek and similar soils: 20 percent

Dissimilar minor components: 5 percent

Characteristics of Boundridge Soils

Setting

Landform: Ridges
Geomorphic position (two-dimensional): Summit
Down-slope shape: Convex
Across-slope shape: Linear
Aspect - representative: West
Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Slope alluvium derived from quartzite and/or sandstone and/or chert
Slope range: 3 to 15 percent
Depth to restrictive feature: 10 to 16 inches to strongly cemented duripan
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 1.0
Available water capacity (entire profile): Very low (about 1.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: WINDSWEPT RIDGE 12-22 ARFR4-ARAR8/POA (R013XY046ID)

Typical profile

A—0 to 2 inches; very gravelly loam
AB—2 to 7 inches; very gravelly silt loam
Bw—7 to 14 inches; very gravelly loam
Bkqm—14 to 21 inches; cemented
Bkq—21 to 60 inches; extremely gravelly sandy loam

Characteristics of Sweetcreek Soils

Setting

Landform: Ridges
Geomorphic position (two-dimensional): Summit
Down-slope shape: Convex
Across-slope shape: Linear
Aspect - representative: West
Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Slope alluvium derived from calcareous sandstone
Slope range: 3 to 15 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 7.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 2 inches; silt loam

Bt—2 to 11 inches; silt loam

Btk1—11 to 18 inches; gravelly clay loam

Btk2—18 to 24 inches; silty clay loam

Bk—24 to 39 inches; silt loam

Cr—39 to 60 inches; bedrock

Dissimilar Minor Components

Pontuge soils

Composition: 5 percent

Landform: Ridges

Geomorphic position (two-dimensional): Shoulder

28—Boyd hollow-Slan-Cokeville complex, 15 to 65 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,310 to 7,690 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 90 days

Map Unit Composition

Boyd hollow and similar soils: 35 percent

Slan and similar soils: 30 percent

Cokeville and similar soils: 15 percent

Dissimilar minor components: 20 percent

Characteristics of Boyd hollow Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Colluvium derived from sandstone over residuum weathered from conglomerate

Slope range: 15 to 65 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID)

Typical profile

A1—0 to 3 inches; gravelly loam

A2—3 to 11 inches; very gravelly loam

A3—11 to 19 inches; very gravelly sandy loam

Bw—19 to 41 inches; extremely gravelly sandy loam

Bk1—41 to 57 inches; extremely gravelly sandy loam

Bk2—57 to 65 inches; extremely gravelly loamy sand

Characteristics of Slan Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Linear

Across-slope shape: Concave

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone

Slope range: 15 to 65 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 8e

Ecological site: GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID)

Typical profile

A—0 to 2 inches; very gravelly loam

BA—2 to 5 inches; gravelly fine sandy loam

Bt—5 to 18 inches; gravelly loam

Bk—18 to 25 inches; gravelly loam

BC—25 to 32 inches; fine sandy loam

Cr—32 to 60 inches; bedrock

Characteristics of Cokeville Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and/or conglomerate

Slope range: 15 to 35 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 7.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID)

Typical profile

A—0 to 2 inches; gravelly loam

BA—2 to 5 inches; gravelly silt loam

Bt—5 to 9 inches; gravelly clay loam

Btk1—9 to 15 inches; gravelly loam

Btk2—15 to 31 inches; gravelly silt loam

Btk3—31 to 43 inches; gravelly silty clay loam

2Bk—43 to 56 inches; silty clay loam

2Cr—56 to 60 inches; bedrock

Dissimilar Minor Components

Cutoff soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope

Jebo soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope

Vicking soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope

Warshod soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope

29—Brifox-Lizdale complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,980 to 7,130 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Brifox and similar soils: 75 percent

Lizdale and similar soils: 20 percent

Dissimilar minor components: 5 percent

Characteristics of Brifox Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Lacustrine deposits

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A—0 to 8 inches; silty clay loam

Bw—8 to 15 inches; silty clay

Bss—15 to 21 inches; silty clay

Bkss1—21 to 32 inches; silty clay

Bkss2—32 to 40 inches; silty clay

Bkss3—40 to 60 inches; silty clay

Characteristics of Lizdale Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Gravelly slope alluvium derived from limestone

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID)

Typical profile

A1—0 to 3 inches; gravelly loam

A2—3 to 11 inches; gravelly loam

Bk1—11 to 19 inches; very gravelly loam

Bk2—19 to 26 inches; extremely gravelly sandy loam

Bk3—26 to 40 inches; very gravelly sandy loam

Bk4—40 to 60 inches; very gravelly loamy sand

Dissimilar Minor Components

Vicking soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

30—Brifox-Niter complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,890 to 7,140 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Brifox and similar soils: 45 percent

Niter and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Brifox Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Lacustrine deposits

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A—0 to 8 inches; silty clay loam

Bw—8 to 15 inches; silty clay

Bss—15 to 21 inches; silty clay

Bkss1—21 to 32 inches; silty clay

Bkss2—32 to 40 inches; silty clay

Bkss3—40 to 60 inches; silty clay

Characteristics of Niter Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, concave

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Lacustrine deposits

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 4 inches; silty clay loam

A2—4 to 8 inches; silty clay loam

Bw—8 to 12 inches; silty clay loam

Bss—12 to 19 inches; silty clay loam

Bkss1—19 to 30 inches; silty clay loam

Bkss2—30 to 40 inches; silty clay

Bkss3—40 to 60 inches; silty clay

Dissimilar Minor Components

Niter soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Ant Flat soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Watercanyon soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

31—Brifox-Niter complex, 12 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,850 to 7,110 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Brifox and similar soils: 45 percent

Niter and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Brifox Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Lacustrine deposits

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A—0 to 8 inches; silty clay loam

Bw—8 to 15 inches; silty clay

Bss—15 to 21 inches; silty clay

Bkss1—21 to 32 inches; silty clay

Bkss2—32 to 40 inches; silty clay

Bkss3—40 to 60 inches; silty clay

Characteristics of Niter Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Lacustrine deposits

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 4 inches; silty clay loam

A2—4 to 8 inches; silty clay loam

Bw—8 to 12 inches; silty clay loam

Bss—12 to 19 inches; silty clay loam

Bkss1—19 to 30 inches; silty clay loam

Bkss2—30 to 40 inches; silty clay

Bkss3—40 to 60 inches; silty clay

Dissimilar Minor Components

Kucera soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Ririe soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Watercanyon soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

32—Broadhead silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,940 to 6,330 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Broadhead and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Broadhead Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Alluvium derived from quartzite and/or sandstone

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 4 inches; silt loam

A2—4 to 14 inches; silty clay loam

Bt1—14 to 21 inches; silty clay loam

Bt2—21 to 43 inches; silty clay

Bk—43 to 61 inches; silty clay loam

Dissimilar Minor Components

Niter soils

Composition: 10 percent

Landform: Fan remnants

Bancroft soils

Composition: 5 percent

Landform: Fan remnants

33—Broadhead silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,840 to 6,540 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Broadhead and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Broadhead Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Alluvium and/or slope alluvium derived from quartzite and/or sandstone

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 4 inches; silt loam

A2—4 to 14 inches; silty clay loam

Bt1—14 to 21 inches; silty clay loam

Bt2—21 to 43 inches; silty clay
Bk—43 to 61 inches; silty clay loam

Dissimilar Minor Components

Bancroft soils

Composition: 10 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Footslope

Niter soils

Composition: 10 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

34—Broadhead-Hades-Swanpeak complex, 10 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,960 to 7,080 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Broadhead and similar soils: 40 percent
Hades and similar soils: 40 percent
Swanpeak and similar soils: 20 percent

Characteristics of Broadhead Soils

Setting

Landform: Mountain slopes, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Aspect - representative: East
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium derived from quartzite and/or sandstone
Slope range: 10 to 30 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 11.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 4 inches; silt loam

A2—4 to 14 inches; silty clay loam

Bt1—14 to 21 inches; silty clay loam

Bt2—21 to 43 inches; silty clay

Bk—43 to 61 inches; silty clay loam

Characteristics of Hades Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: East

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium derived from limestone and sandstone and/or quartzite

Slope range: 10 to 30 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 6 inches; silt loam

BA—6 to 12 inches; silt loam

Bt1—12 to 20 inches; silt loam

Bt2—20 to 61 inches; clay loam

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced clayey slope alluvium and/or colluvium

Slope range: 10 to 30 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam
A2—6 to 15 inches; silty clay loam
AB—15 to 18 inches; cobbly silty clay loam
Bt1—18 to 24 inches; very cobbly clay
Bt2—24 to 35 inches; very cobbly clay
Bt3—35 to 60 inches; extremely cobbly clay

35—Buist gravelly silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,840 to 6,710 feet
Mean annual precipitation: 14 to 20 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Buist and similar soils: 85 percent
Dissimilar minor components: 15 percent

Characteristics of Buist Soils

Setting

Landform: Fan remnants
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Southwest
Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium over mixed gravelly alluvium
Slope range: 1 to 4 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Low (about 5.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID)

Typical profile

A1—0 to 2 inches; gravelly silt loam

A2—2 to 10 inches; cobbly silt loam

BA—10 to 17 inches; cobbly silt loam

Bk1—17 to 23 inches; very gravelly loam

Bk2—23 to 33 inches; extremely cobbly loam

Bk3—33 to 37 inches; extremely gravelly loam

Bk4—37 to 61 inches; extremely cobbly sandy loam

Dissimilar Minor Components

Wursten soils

Composition: 10 percent

Landform: Fan remnants

Marshdale soils

Composition: 5 percent

Landform: Flood plains

36—Buist gravelly silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,860 to 6,860 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Buist and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Buist Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Aspect - representative: East

Aspect - range: North to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium over mixed gravelly alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Low (about 5.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID)

Typical profile

A1—0 to 2 inches; gravelly silt loam

A2—2 to 10 inches; cobbly silt loam

BA—10 to 17 inches; cobbly silt loam

Bk1—17 to 23 inches; very gravelly loam

Bk2—23 to 33 inches; extremely cobbly loam

Bk3—33 to 37 inches; extremely gravelly loam

Bk4—37 to 61 inches; extremely cobbly sandy loam

Dissimilar Minor Components

Arbone soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

37—Buist gravelly silt loam, dry, 4 to 12 percent slopes

Map Unit Setting (fig. 9)

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,930 to 6,310 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Buist, dry and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Buist, dry Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: West

Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium over mixed gravelly alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Low (about 5.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 2 inches; gravelly silt loam

A2—2 to 10 inches; cobbly silt loam

BA—10 to 17 inches; cobbly silt loam

Bk1—17 to 23 inches; very gravelly loam

Bk2—23 to 33 inches; extremely cobbly loam

Bk3—33 to 37 inches; extremely gravelly loam

Bk4—37 to 61 inches; extremely cobbly sandy loam

Dissimilar Minor Components

Arbone, dry soils

Composition: 10 percent

Landform: Fan remnants

38—Buist very gravelly silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,850 to 6,250 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Buist and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Buist Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Northwest

Aspect - range: Southwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium over mixed gravelly alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Low (about 5.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID)

Typical profile

A1—0 to 2 inches; very gravelly silt loam
A2—2 to 10 inches; cobbly silt loam
BA—10 to 17 inches; cobbly silt loam
Bk1—17 to 23 inches; very gravelly loam
Bk2—23 to 33 inches; extremely cobbly loam
Bk3—33 to 37 inches; extremely gravelly loam
Bk4—37 to 61 inches; extremely cobbly sandy loam

Dissimilar Minor Components

Arbone soils

Composition: 5 percent

Landform: Fan remnants

Wursten soils

Composition: 5 percent

Landform: Fan remnants

39—Buist-Arbone complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,960 to 6,410 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Buist and similar soils: 65 percent

Arbone and similar soils: 30 percent

Dissimilar minor components: 5 percent

Characteristics of Buist Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium over mixed gravelly alluvium and/or slope alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Low (about 5.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID)

Typical profile

A1—0 to 2 inches; gravelly silt loam

A2—2 to 10 inches; cobbly silt loam

BA—10 to 17 inches; cobbly silt loam

Bk1—17 to 23 inches; very gravelly loam

Bk2—23 to 33 inches; extremely cobbly loam

Bk3—33 to 37 inches; extremely gravelly loam

Bk4—37 to 61 inches; extremely cobbly sandy loam

Characteristics of Arbone Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bw—9 to 18 inches; silt loam

Bk—18 to 34 inches; silt loam

BCK—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Wursten soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

40—Burchert-Whitetop complex, 10 to 45 percent slopes

Map Unit Setting (fig. 10)

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,890 to 6,960 feet

Mean annual precipitation: 15 to 21 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Burchert and similar soils: 60 percent

Whitetop and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Burchert Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Colluvium over moderately cemented volcanic ash

Slope range: 10 to 45 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 3 inches; gravelly loam

AB—3 to 9 inches; gravelly loam

Bt1—9 to 14 inches; gravelly clay loam

Bt2—14 to 22 inches; gravelly clay loam

Btk—22 to 30 inches; gravelly clay loam

2Cr—30 to 60 inches; bedrock



Figure 10.—Weakly cemented volcanic ash in detailed map unit 40, Burchert-Whitetop complex, 10 to 45 percent slopes

Characteristics of Whitetop Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Weakly cemented residuum weathered from volcanic sandstone

Slope range: 15 to 45 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: ASHY LOAM 13-16 ARTRV/PSSPS (R013XY009ID)

Typical profile

A—0 to 4 inches; ashy fine sandy loam

Bw—4 to 16 inches; parachannery ashy fine sandy loam

Cr—16 to 60 inches; bedrock

Dissimilar Minor Components

Brushtop soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Hoopgobel soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Redpine soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

41—Cedarhill gravelly silt loam, 5 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,840 to 6,650 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Convex, linear

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly alluvium and/or colluvium derived from limestone

Slope range: 5 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Dissimilar Minor Components

Wursten soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

42—Cedarhill gravelly silt loam, dry, 10 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,930 to 7,670 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Cedarhill, dry and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Cedarhill, dry Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Linear, convex

Aspect - representative: West

Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium derived from limestone

Slope range: 10 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Dissimilar Minor Components

Lonjon soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Dipcreek, dry soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Sheep Creek, dry soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

43—Cedarhill-Bearhollow complex, 5 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 6,620 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 50 percent

Bearhollow and similar soils: 40 percent

Dissimilar minor components: 10 percent

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Convex, linear

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly alluvium and/or colluvium derived from limestone

Slope range: 5 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Characteristics of Bearhollow Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Mixed alluvium and/or colluvium

Slope range: 5 to 20 percent

Depth to restrictive feature: 40 to 60 inches to abrupt textural change

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 5.0

Available water capacity (entire profile): High (about 9.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 6 inches; gravelly loam

Bk1—6 to 11 inches; loam

Bk2—11 to 20 inches; loam

Bk3—20 to 24 inches; loam

Bck—24 to 33 inches; fine sandy loam

2Ck1—33 to 44 inches; loamy fine sand

3Ck2—44 to 62 inches; silty clay loam

Dissimilar Minor Components

Buist soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Watercanyon soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

44—Cedarhill-Buist complex, 10 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 7,190 feet

Mean annual precipitation: 15 to 21 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 50 percent

Buist and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium derived from limestone

Slope range: 10 to 30 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam
ABk—3 to 7 inches; stony silt loam
Bk1—7 to 13 inches; very gravelly silt loam
Bk2—13 to 26 inches; very cobbly silt loam
C—26 to 60 inches; extremely stony silt loam

Characteristics of Buist Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope
Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: Southwest
Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium over mixed gravelly slope alluvium and/or colluvium
Slope range: 10 to 30 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Low (about 5.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID)

Typical profile

A1—0 to 2 inches; gravelly silt loam
A2—2 to 10 inches; cobbly silt loam
BA—10 to 17 inches; cobbly silt loam
Bk1—17 to 23 inches; very gravelly loam
Bk2—23 to 33 inches; extremely cobbly loam
Bk3—33 to 37 inches; extremely gravelly loam
Bk4—37 to 61 inches; extremely cobbly sandy loam

Dissimilar Minor Components

Dirtyhead soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Summit, shoulder

Drage soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

45—Cedarhill-Burchert complex, 5 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,860 to 7,010 feet

Mean annual precipitation: 16 to 23 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 60 percent

Burchert and similar soils: 35 percent

Dissimilar minor components: 5 percent

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium derived from limestone

Slope range: 5 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Characteristics of Burchert Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over moderately cemented volcanic ash

Slope range: 5 to 50 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 3 inches; gravelly loam

AB—3 to 9 inches; gravelly loam

Bt1—9 to 14 inches; gravelly clay loam

Bt2—14 to 22 inches; gravelly clay loam

Btk—22 to 30 inches; gravelly clay loam

2Cr—30 to 60 inches; bedrock

Dissimilar Minor Components

Clegg soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

46—Cedarhill-Clegg complex, 2 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,880 to 6,760 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 60 percent

Clegg and similar soils: 40 percent

Characteristics of Cedarhill Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Linear, convex

Soil Survey of Bear Lake County Area, Idaho

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly alluvium and/or colluvium derived from limestone

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Characteristics of Clegg Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or colluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam
Btk—28 to 32 inches; gravelly clay loam
Bk—32 to 60 inches; gravelly loam

47—Cedarhill-Clegg-Drage complex, 5 to 55 percent slopes

Map Unit Setting (fig. 11, fig. 13)

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,810 to 7,050 feet
Mean annual precipitation: 15 to 22 inches
Mean annual air temperature: 41 to 45 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 45 percent
Clegg and similar soils: 30 percent
Drage and similar soils: 20 percent
Dissimilar minor components: 5 percent

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope
Down-slope shape: Convex
Across-slope shape: Linear
Aspect - representative: South
Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium derived from limestone
Slope range: 5 to 55 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 0.5 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 0.3
Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam
ABk—3 to 7 inches; stony silt loam
Bk1—7 to 13 inches; very gravelly silt loam
Bk2—13 to 26 inches; very cobbly silt loam
C—26 to 60 inches; extremely stony silt loam

Characteristics of Clegg Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 5 to 55 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam

Btk—28 to 32 inches; gravelly clay loam

Bk—32 to 60 inches; gravelly loam

Characteristics of Drage Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly slope alluvium and/or colluvium

Slope range: 5 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.3 inches)



Figure 11.—Typical vegetation of the Clegg soil in detailed map unit 47, Cedarhill-Clegg-Drage complex, 5 to 55 percent slopes. Range site: R013XY001ID; Loamy 12-16 ARTRV/PSSPS-FEID.

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A1—0 to 4 inches; silt loam

A2—4 to 10 inches; silt loam

Bt1—10 to 22 inches; very gravelly silty clay loam

Bt2—22 to 38 inches; extremely cobbly silty clay loam

Bk—38 to 60 inches; extremely cobbly silt loam

Dissimilar Minor Components

Cloudless soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

48—Cedarhill-Pinehollow complex, dry, 5 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,520 to 7,130 feet

Mean annual precipitation: 13 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill, dry and similar soils: 50 percent

Pinehollow, dry and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Cedarhill, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium derived from limestone

Slope range: 5 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Characteristics of Pinehollow, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 5 to 45 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 2 inches; very cobbly silt loam
A2—2 to 7 inches; very cobbly silt loam
Bt1—7 to 16 inches; cobbly loam
Bt2—16 to 22 inches; gravelly loam
Btk—22 to 26 inches; very gravelly loam
R—26 to 60 inches; bedrock

Dissimilar Minor Components

Lonjon soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Sheep Creek, dry soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Sprollo soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

49—Cedarhill-Wursten complex, 5 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,970 to 6,980 feet
Mean annual precipitation: 16 to 21 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Cedarhill and similar soils: 50 percent
Wursten and similar soils: 40 percent
Dissimilar minor components: 10 percent

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Soil Survey of Bear Lake County Area, Idaho

Down-slope shape: Convex
Across-slope shape: Linear
Aspect - representative: South
Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium derived from limestone
Slope range: 5 to 35 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 0.5 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 0.3
Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam
ABk—3 to 7 inches; stony silt loam
Bk1—7 to 13 inches; very gravelly silt loam
Bk2—13 to 26 inches; very cobbly silt loam
C—26 to 60 inches; extremely stony silt loam

Characteristics of Wursten Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium
Slope range: 5 to 35 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Dirtyhead soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Summit, shoulder

Rock outcrop

Composition: 5 percent

50—Chesbrook-Bear Lake complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,820 to 5,970 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Chesbrook and similar soils: 65 percent
Bear Lake and similar soils: 20 percent
Dissimilar minor components: 15 percent

Characteristics of Chesbrook Soils

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty alluvium
Slope range: 0 to 2 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: Rare (see Water Features table)
Ponding frequency: None
Seasonal high water table minimum depth: About 8 to 25 inches (see Water Features table)
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 2.0
Available water capacity (entire profile): Very high (about 12.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w
Land capability subclass (irrigated): 5w
Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material
Akg1—2 to 13 inches; silt loam
Akg2—13 to 20 inches; silt loam
Bkg1—20 to 31 inches; silt loam
Bkg2—31 to 36 inches; silt loam
Bkg3—36 to 48 inches; silt loam
2Ckg1—48 to 56 inches; silt loam
2Ckg2—56 to 62 inches; silt loam

Characteristics of Bear Lake Soils

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium
Slope range: 0 to 2 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: Rare (see Water Features table)
Ponding frequency: None
Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very high (about 13.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w
Land capability subclass (irrigated): 4w
Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material
A—2 to 10 inches; silty clay loam
Bkg1—10 to 22 inches; silty clay loam
Bkg2—22 to 37 inches; silty clay loam
Bkg3—37 to 46 inches; silty clay loam
Bkg4—46 to 58 inches; silty clay loam
Cg—58 to 63 inches; silty clay loam

Dissimilar Minor Components

Lago soils

Composition: 10 percent
Landform: Flood plains

La Roco soils

Composition: 5 percent
Landform: Flood plains

51—Chinhill silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,990 to 6,130 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Chinhill and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Chinhill Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 21 inches; silt loam

Bk1—21 to 36 inches; silt loam

Bk2—36 to 60 inches; silt loam

Dissimilar Minor Components

Iphil soils

Composition: 5 percent

Landform: Fan remnants

Joes soils

Composition: 5 percent

Landform: Fan remnants

Kucera soils

Composition: 5 percent

Landform: Fan remnants

Niter soils

Composition: 5 percent

Landform: Fan remnants

52—Chokecherry-Dranyon complex, 15 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,560 to 7,570 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Chokecherry and similar soils: 65 percent

Dranyon and similar soils: 20 percent

Dissimilar minor components: 15 percent

Characteristics of Chokecherry Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed gravelly colluvium over residuum weathered from sandstone and siltstone

Slope range: 15 to 60 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 4 inches; very cobbly sandy loam

A2—4 to 9 inches; very cobbly sandy loam

Bw—9 to 18 inches; extremely cobbly sandy loam

R—18 to 60 inches; bedrock

Characteristics of Dranyon Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly colluvium

Slope range: 15 to 60 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 9 inches; gravelly silt loam

Bt1—9 to 20 inches; gravelly silty clay loam

Bt2—20 to 26 inches; very gravelly silty clay loam

Bt3—26 to 44 inches; very gravelly clay loam

Bt4—44 to 60 inches; cobbly clay loam

Dissimilar Minor Components

Beehunt soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope

Rock outcrop

Composition: 5 percent

53—Chokecherry-Slights-Sheep Creek complex, 5 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,860 to 7,850 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 85 days

Map Unit Composition

Chokecherry and similar soils: 45 percent

Slights and similar soils: 25 percent

Sheep Creek and similar soils: 20 percent

Dissimilar minor components: 10 percent

Characteristics of Chokecherry Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 5 to 40 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 4 inches; very cobbly sandy loam

A2—4 to 9 inches; very cobbly sandy loam

Bw—9 to 18 inches; extremely cobbly sandy loam

R—18 to 60 inches; bedrock

Characteristics of Slights Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium over clayey slope alluvium and/or colluvium

Slope range: 5 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 5 inches; loam

AB—5 to 12 inches; loam

Bt1—12 to 20 inches; silty clay loam

Bt2—20 to 39 inches; silty clay

Bt3—39 to 60 inches; silty clay

Characteristics of Sheep Creek Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: East to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 40 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A1—0 to 5 inches; gravelly sandy loam

A2—5 to 11 inches; gravelly loam

Bt—11 to 21 inches; very gravelly clay loam

Btk—21 to 33 inches; extremely cobbly clay loam

Bk—33 to 38 inches; extremely cobbly loam

R—38 to 60 inches; bedrock

Dissimilar Minor Components

Monida, dry soils

Composition: 10 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, backslope, footslope

54—Chokecherry-Tubbs Hollow-Sheep Creek, dry complex, 3 to 60 percent slopes

Map Unit Setting (fig. 12)

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,610 to 7,850 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 85 days

Map Unit Composition

Chokecherry and similar soils: 30 percent

Tubbs Hollow and similar soils: 30 percent

Sheep Creek, dry and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Chokecherry Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Northwest to southeast (clockwise)



Figure 12.—Typical range vegetation on detailed map unit 54, Chokecherry-Tubbs Hollow-Sheep Creek, dry complex, 3 to 60 percent slopes. Idaho range site: R013XY114ID; SHALLOW STONY 12-20 ARAR8/PSSPS

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 3 to 60 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 4 inches; very cobbly sandy loam

A2—4 to 9 inches; very cobbly sandy loam

Bw—9 to 18 inches; extremely cobbly sandy loam

R—18 to 60 inches; bedrock

Characteristics of Tubbs Hollow Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: East

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 3 to 60 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A—0 to 3 inches; gravelly loam

Bw1—3 to 12 inches; gravelly loam

Bw2—12 to 25 inches; extremely cobbly loam

R—25 to 60 inches; bedrock

Characteristics of Sheep Creek, dry Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Linear, convex

Aspect - representative: East

Aspect - range: East to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 60 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 5 inches; gravelly sandy loam

A2—5 to 11 inches; gravelly loam

Bt—11 to 21 inches; very gravelly clay loam

Btk—21 to 33 inches; extremely cobbly clay loam

Bk—33 to 38 inches; extremely cobbly loam

R—38 to 60 inches; bedrock

Dissimilar Minor Components

Pinehollow soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Rock outcrop

Composition: 5 percent

55—Church Springs-Monida complex, dry, 4 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,840 to 7,220 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 55 to 90 days

Map Unit Composition

Church Springs, dry and similar soils: 55 percent

Monida, dry and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Church Springs, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed silty slope alluvium and/or colluvium

Slope range: 4 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.2 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 11 inches; silt loam

Btk1—11 to 21 inches; silty clay loam

Btk2—21 to 30 inches; silty clay loam

Bk—30 to 60 inches; silt loam

Characteristics of Monida, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium derived from sandstone and siltstone

Slope range: 4 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.2 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.5

Available water capacity (entire profile): High (about 9.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; silt loam

Bt—3 to 7 inches; silty clay loam

Btk—7 to 15 inches; gravelly silty clay loam

Bk1—15 to 33 inches; very gravelly silt loam

Bk2—33 to 57 inches; gravelly silt loam

Bk3—57 to 60 inches; very fine sandy loam

Dissimilar Minor Components

Sheep Creek, dry soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

56—Cleavage-Rock outcrop complex, 2 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,280 to 7,150 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cleavage and similar soils: 70 percent

Rock outcrop: 25 percent

Dissimilar minor components: 5 percent

Characteristics of Cleavage Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from igneous and sedimentary rock

Slope range: 2 to 45 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 2 inches; loam

A2—2 to 6 inches; loam

Bt1—6 to 9 inches; very gravelly clay loam

Bt2—9 to 14 inches; very gravelly clay loam

R—14 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

Dissimilar Minor Components

Vitale soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

57—Clegg silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,900 to 6,200 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Clegg and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Clegg Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam

Btk—28 to 32 inches; gravelly clay loam

Bk—32 to 60 inches; gravelly loam

Dissimilar Minor Components

Hades soils

Composition: 5 percent

Landform: Fan remnants

Horrocks soils

Composition: 5 percent

Landform: Fan remnants

58—Clegg silt loam, 4 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,880 to 6,920 feet

Mean annual precipitation: 14 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Clegg and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Clegg Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, linear

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or colluvium

Slope range: 4 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam

Btk—28 to 32 inches; gravelly clay loam

Bk—32 to 60 inches; gravelly loam

Dissimilar Minor Components

Drage soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

59—Clegg-Grecan complex, 4 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 7,100 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Clegg and similar soils: 50 percent

Grecan and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Clegg Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or colluvium

Slope range: 4 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam

Btk—28 to 32 inches; gravelly clay loam

Bk—32 to 60 inches; gravelly loam

Characteristics of Grecan Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Alluvium and/or colluvium derived from conglomerate and/or dolomite and/or sandstone

Slope range: 4 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; loam

A2—3 to 9 inches; loam

BAt—9 to 22 inches; clay loam

Bt—22 to 28 inches; clay

Btk—28 to 32 inches; clay

Bk1—32 to 41 inches; clay loam

Bk2—41 to 60 inches; loam

Dissimilar Minor Components

Drage soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

60—Cooley-Beehunt complex, dry, 20 to 65 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,990 to 7,380 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cooley, dry and similar soils: 40 percent

Beehunt, dry and similar soils: 30 percent

Dissimilar minor components: 30 percent

Characteristics of Cooley, dry Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Sandy and gravelly colluvium derived from sandstone

Slope range: 40 to 65 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 2 inches; very gravelly sandy loam

AB—2 to 10 inches; very gravelly sandy loam

Bw—10 to 22 inches; very gravelly sandy loam

Bk1—22 to 33 inches; very gravelly sandy loam
Bk2—33 to 53 inches; extremely gravelly sandy loam
Bk3—53 to 60 inches; extremely gravelly sandy loam

Characteristics of Beehunt, dry Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: North
Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Colluvium derived from sandstone
Slope range: 20 to 65 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 4.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 8 inches; extremely gravelly loam
A2—8 to 21 inches; extremely cobbly loam
BA—21 to 37 inches; extremely cobbly loam
Bt—37 to 54 inches; extremely cobbly loam
BC—54 to 60 inches; extremely cobbly loam

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Rubble land, talus

Composition: 10 percent

Cupine soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope

Cutoff soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope

61—Crossley-Rock outcrop complex, 4 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,980 to 6,940 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Crossley and similar soils: 70 percent

Rock outcrop: 25 percent

Dissimilar minor components: 5 percent

Characteristics of Crossley Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite

Slope range: 4 to 35 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; extremely gravelly loam

Bk1—3 to 11 inches; very stony sandy loam

Bk2—11 to 17 inches; extremely stony sandy loam

R—17 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

Dissimilar Minor Components

Mumford soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

62—Crossley-Whitetop-Rock outcrop complex, 8 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,930 to 6,610 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Crossley and similar soils: 50 percent

Whitetop and similar soils: 30 percent

Rock outcrop: 10 percent

Dissimilar minor components: 10 percent

Characteristics of Crossley Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite

Slope range: 8 to 40 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; extremely gravelly loam

Bk1—3 to 11 inches; very stony sandy loam

Bk2—11 to 17 inches; extremely stony sandy loam

R—17 to 60 inches; bedrock

Characteristics of Whitetop Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Weakly cemented residuum weathered from volcanic sandstone

Slope range: 8 to 45 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; ashy fine sandy loam

Bw—4 to 16 inches; parachannery ashy fine sandy loam

Cr—16 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

Dissimilar Minor Components

Burchert soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope

Dirtyhead soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder

63—Cupine-Dunford complex, 20 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,980 to 6,930 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cupine and similar soils: 45 percent
Dunford and similar soils: 25 percent
Dissimilar minor components: 30 percent

Characteristics of Cupine Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope
Down-slope shape: Linear, convex
Across-slope shape: Concave, convex
Aspect - representative: North
Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone
Slope range: 20 to 60 percent
Depth to restrictive feature: 20 to 35 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; channery sandy loam
Bw1—3 to 10 inches; channery sandy loam
Bw2—10 to 17 inches; channery sandy loam
2BC—17 to 23 inches; extremely channery sandy loam
R—23 to 60 inches; bedrock

Characteristics of Dunford Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex, concave
Aspect - representative: North
Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sedimentary rock
Slope range: 20 to 60 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID)

Typical profile

A—0 to 5 inches; stony loam

Bt1—5 to 11 inches; gravelly clay loam

Bt2—11 to 20 inches; cobbly clay loam

Bt3—20 to 27 inches; cobbly clay loam

R—27 to 60 inches; bedrock

Dissimilar Minor Components

Clegg soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Ireland soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Cedarhill soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope

Falula soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

64—Cupine-Falula complex, dry, 5 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,330 to 7,170 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Cupine, dry and similar soils: 40 percent

Falula, dry and similar soils: 30 percent

Dissimilar minor components: 30 percent

Characteristics of Cupine, dry Soils

Setting

Landform: Mountain slopes, ridges

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Concave

Soil Survey of Bear Lake County Area, Idaho

Across-slope shape: Concave
Aspect - representative: West
Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone
Slope range: 5 to 50 percent
Depth to restrictive feature: 20 to 35 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 3 inches; channery sandy loam
Bw1—3 to 10 inches; channery sandy loam
Bw2—10 to 17 inches; channery sandy loam
2BC—17 to 23 inches; extremely channery sandy loam
R—23 to 60 inches; bedrock

Characteristics of Falula, dry Soils

Setting

Landform: Mountain slopes, ridges
Geomorphic position (two-dimensional): Summit, shoulder, backslope
Down-slope shape: Convex
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northeast to south (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium over residuum weathered from calcareous sandstone and/or conglomerate
Slope range: 5 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 4 inches; extremely cobbly silt loam
A2—4 to 12 inches; extremely cobbly silt loam
Bk—12 to 18 inches; extremely cobbly silt loam
R—18 to 60 inches; bedrock

Dissimilar Minor Components

Dennot, dry soils

Composition: 10 percent
Landform: Mountain slopes, ridges
Geomorphic position (two-dimensional): Backslope, footslope, toeslope

Jebo, dry soils

Composition: 10 percent
Landform: Mountain slopes, ridges
Geomorphic position (two-dimensional): Shoulder, backslope

Cutoff soils

Composition: 5 percent
Landform: Mountain slopes, ridges
Geomorphic position (two-dimensional): Summit, shoulder, backslope

Rock outcrop

Composition: 5 percent

65—Dennot-Thatcher complex, dry, 2 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,930 to 7,260 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Dennot, dry and similar soils: 50 percent
Thatcher, dry and similar soils: 40 percent
Dissimilar minor components: 10 percent

Characteristics of Dennot, dry Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Southwest
Aspect - range: South to west (clockwise)

Properties and qualities

Parent material: Mixed gravelly alluvium and/or colluvium derived from conglomerate
Slope range: 2 to 20 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 2.0

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 6 inches; loam

Bk1—6 to 20 inches; gravelly loam

Bk2—20 to 42 inches; extremely gravelly sandy loam

Bk3—42 to 49 inches; extremely gravelly loamy sand

2Bk4—49 to 62 inches; extremely gravelly loam

Characteristics of Thatcher, dry Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Southwest

Aspect - range: South to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or colluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 10 inches; silt loam

Bt1—10 to 19 inches; silty clay loam

Bt2—19 to 28 inches; silty clay loam

Bk1—28 to 42 inches; silty clay loam

Bk2—42 to 60 inches; silt loam

Dissimilar Minor Components

Crossley soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Hades, dry soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

66—Dingle muck, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,930 to 5,930 feet ?

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 85 to 100 days

Map Unit Composition

Dingle and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Dingle Soils

Setting

Landform: Marshes

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Herbaceous organic material over mixed silty lacustrine deposits

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: Frequent (see Water Features table)

Seasonal high water table minimum depth: At the soil surface to 6 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 0.5

Available water capacity (entire profile): Very high (about 17.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: MARSH TYLA-SCAC3 (R013XY054ID)

Typical profile

Oa1—0 to 6 inches; muck

Oa2—6 to 18 inches; muck

Oa3—18 to 23 inches; muck

Cg1—23 to 36 inches; silt loam

Cg2—36 to 60 inches; silt loam

Dissimilar Minor Components

Dinswamp soils

Composition: 10 percent

Landform: Marshes

Bear Lake, ponded soils

Composition: 5 percent

Landform: Flood plains

Bloomington soils

Composition: 5 percent

Landform: Lakebeds

67—Dinswamp mucky peat, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,920 to 5,950 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 85 to 100 days

Map Unit Composition

Dinswamp and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Dinswamp Soils

Setting

Landform: Marshes

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Herbaceous organic material over mixed silty lacustrine deposits

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: Frequent (see Water Features table)

Seasonal high water table minimum depth: At the soil surface to 12 inches (see Water Features table)

Salinity maximum: Slightly saline (about 4.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 15.0

Available water capacity (entire profile): Very high (about 14.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: MARSH TYLA-SCAC3 (R013XY054ID)

Typical profile

Oe1—0 to 2 inches; mucky peat

Oe2—2 to 10 inches; mucky peat

Oe3—10 to 12 inches; mucky peat

2Bg1—12 to 18 inches; silty clay loam

2Bg2—18 to 40 inches; silty clay loam

2Cg—40 to 60 inches; fine sandy loam

Dissimilar Minor Components

Bear Lake, ponded soils

Composition: 5 percent

Landform: Flood plains

Bloomington soils

Composition: 5 percent

Landform: Lakebeds

Chesbrook soils

Composition: 5 percent

Landform: Lakebeds

Dingle soils

Composition: 5 percent

Landform: Marshes

La Roco soils

Composition: 5 percent

Landform: Lakebeds

68—Dipcreek-Cutoff-Sheep Creek complex, 5 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,070 to 7,450 feet

Mean annual precipitation: 14 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Dipcreek and similar soils: 35 percent

Cutoff and similar soils: 30 percent

Sheep Creek and similar soils: 20 percent

Dissimilar minor components: 15 percent

Characteristics of Dipcreek Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: North to northeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 10 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; gravelly loam
BA—4 to 9 inches; very cobbly loam
Bw—9 to 18 inches; extremely cobbly loam
R—18 to 60 inches; bedrock

Characteristics of Cutoff Soils

Setting

Landform: Mountain slopes, hillslopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from sandstone and siltstone
Slope range: 10 to 50 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 0.5 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 2.0
Available water capacity (entire profile): Very low (about 2.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 3 inches; gravelly loam
A2—3 to 5 inches; loam
Bk1—5 to 9 inches; gravelly loam
Bk2—9 to 23 inches; very gravelly loam
R—23 to 60 inches; bedrock

Characteristics of Sheep Creek Soils

Setting

Landform: Mountain slopes, hillslopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope
Down-slope shape: Linear, convex
Across-slope shape: Convex, linear
Aspect - representative: East
Aspect - range: East to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 5 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A1—0 to 5 inches; gravelly sandy loam

A2—5 to 11 inches; gravelly loam

Bt—11 to 21 inches; very gravelly clay loam

Btk—21 to 33 inches; extremely cobbly clay loam

Bk—33 to 38 inches; extremely cobbly loam

R—38 to 60 inches; bedrock

Dissimilar Minor Components

Lonjon soils

Composition: 10 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Dry Canyon, dry soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

69—Dipcreek-Rock outcrop complex, 5 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,230 to 6,940 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 80 days

Map Unit Composition

Dipcreek and similar soils: 60 percent

Rock outcrop: 40 percent

Characteristics of Dipcreek Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 5 to 30 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; gravelly loam

BA—4 to 9 inches; very cobbly loam

Bw—9 to 18 inches; extremely cobbly loam

R—18 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

70—Dirtyhead-Cedarhill complex, 12 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,890 to 7,150 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Dirtyhead and similar soils: 50 percent

Cedarhill and similar soils: 30 percent

Dissimilar minor components: 20 percent

Characteristics of Dirtyhead Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 12 to 45 percent

Depth to restrictive feature: 25 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 8 inches; channery loam

Bk1—8 to 18 inches; very channery loam

Bk2—18 to 26 inches; very channery loam

Bk3—26 to 32 inches; very channery loam

Cr—32 to 60 inches; bedrock

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium derived from limestone

Slope range: 12 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Bearhollow soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Wursten soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

71—Dirtyhead-Mumford-Dranburn complex, 10 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,960 to 7,020 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 50 to 90 days

Map Unit Composition

Dirtyhead and similar soils: 35 percent

Mumford and similar soils: 30 percent

Dranburn and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Dirtyhead Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 50 percent

Depth to restrictive feature: 25 to 40 inches to paralithic bedrock

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 3.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 8 inches; channery loam
Bk1—8 to 18 inches; very channery loam
Bk2—18 to 26 inches; very channery loam
Bk3—26 to 32 inches; very channery loam
Cr—32 to 60 inches; bedrock

Characteristics of Mumford Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Linear, convex
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone
Slope range: 10 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam
Bk1—3 to 6 inches; very gravelly silt loam
Bk2—6 to 12 inches; very gravelly silt loam
Bk3—12 to 17 inches; extremely gravelly loam
R—17 to 60 inches; bedrock

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium

Slope range: 10 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Cedarhill soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope

Rock outcrop

Composition: 5 percent

72—Dollarhide very gravelly sandy loam, 5 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,370 to 7,330 feet

Mean annual precipitation: 20 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Dollarhide and similar soils: 90 percent
Dissimilar minor components: 10 percent

Characteristics of Dollarhide Soils

Setting

Landform: Mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope
Down-slope shape: Convex
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from quartzite
Slope range: 5 to 45 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 6 inches; very gravelly sandy loam
A2—6 to 13 inches; very gravelly sandy loam
Bw—13 to 19 inches; extremely gravelly sandy loam
R—19 to 60 inches; bedrock

Dissimilar Minor Components

Hutchley soils

Composition: 10 percent
Landform: Mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder

73—Dollarhide-Grunder complex, 15 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 6,030 to 7,560 feet
Mean annual precipitation: 16 to 24 inches
Mean annual air temperature: 36 to 39 degrees F
Frost-free period: 50 to 70 days

Map Unit Composition

Dollarhide and similar soils: 60 percent
Grunder and similar soils: 20 percent
Dissimilar minor components: 20 percent

Characteristics of Dollarhide Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope
Down-slope shape: Convex
Across-slope shape: Convex
Aspect - representative: Northeast
Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from quartzite
Slope range: 15 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 6 inches; very gravelly sandy loam
A2—6 to 13 inches; very gravelly sandy loam
Bw—13 to 19 inches; extremely gravelly sandy loam
R—19 to 60 inches; bedrock

Characteristics of Grunder Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex, concave
Aspect - representative: Northeast
Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed colluvium
Slope range: 15 to 50 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oi—0 to 3 inches; slightly decomposed plant material

A—3 to 12 inches; silt loam

Bt—12 to 22 inches; silty clay loam

B/C—22 to 26 inches; gravelly silty clay loam

R—26 to 60 inches; bedrock

Dissimilar Minor Components

Dranburn soils

Composition: 10 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Nielsen soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Rock outcrop

Composition: 5 percent

74—Drage-Causey-Lilcan complex, 10 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,980 to 6,540 feet

Mean annual precipitation: 16 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Drage and similar soils: 35 percent

Causey and similar soils: 30 percent

Lilcan and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Drage Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly colluvium

Slope range: 10 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A1—0 to 4 inches; silt loam

A2—4 to 10 inches; silt loam

Bt1—10 to 22 inches; very gravelly silty clay loam

Bt2—22 to 38 inches; extremely cobbly silty clay loam

Bk—38 to 60 inches; extremely cobbly silt loam

Characteristics of Causey Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Colluvium derived from sandstone and siltstone

Slope range: 20 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 15 inches; silt loam

Bk1—15 to 23 inches; gravelly silt loam

Bk2—23 to 60 inches; gravelly silt loam

Characteristics of Lilcan Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from limestone and dolomite

Slope range: 10 to 35 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STEEP STONY MAHOGANY 16-22 CELE3-ARTRV/PSSPS
(R013XY015ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

Bk1—3 to 9 inches; very cobbly silt loam

Bk2—9 to 15 inches; extremely cobbly silt loam

R—15 to 60 inches; bedrock

Dissimilar Minor Components

Cedarhill soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Rock outcrop

Composition: 5 percent

75—Dranburn-Hoopgobel-Ledgehollow complex, 10 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,030 to 7,010 feet

Mean annual precipitation: 18 to 23 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Dranburn and similar soils: 50 percent
Hoopgobel and similar soils: 25 percent
Ledgehollow and similar soils: 25 percent

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex, concave
Aspect - representative: North
Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium
Slope range: 10 to 40 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material
A1—2 to 11 inches; silt loam
A2—11 to 17 inches; silt loam
Bt1—17 to 28 inches; silty clay loam
Bt2—28 to 38 inches; silty clay loam
BC—38 to 60 inches; silt loam

Characteristics of Hoopgobel Soils

Setting

Landform: Mountain slopes, hillslopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Concave, convex
Aspect - representative: North
Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash
Slope range: 10 to 40 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; loam

AB—4 to 9 inches; gravelly loam

Bt1—9 to 18 inches; gravelly clay loam

Bt2—18 to 24 inches; gravelly clay loam

Btk—24 to 28 inches; paragravelly clay loam

2Cr—28 to 60 inches; bedrock

Characteristics of Ledgehollow Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash

Slope range: 10 to 40 percent

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; gravelly loam

Bt1—4 to 9 inches; gravelly loam

Bt2—9 to 15 inches; gravelly clay loam

2Cr—15 to 60 inches; bedrock

76—Dranburn-Pavohroo complex, 10 to 55 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,040 to 7,230 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Dranburn and similar soils: 60 percent

Pavohroo and similar soils: 40 percent

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 10 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Characteristics of Pavohroo Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 10 to 55 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material

A1—1 to 5 inches; loam

A2—5 to 12 inches; gravelly loam

A3—12 to 17 inches; gravelly loam

AB—17 to 24 inches; gravelly loam

Bw1—24 to 32 inches; gravelly clay loam

Bw2—32 to 41 inches; gravelly clay loam

Bk—41 to 60 inches; gravelly loam

77—Dranburn-Pontuge complex, 10 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 7,500 feet

Mean annual precipitation: 17 to 22 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Dranburn and similar soils: 60 percent

Pontuge and similar soils: 30 percent

Dissimilar minor components: 10 percent

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium

Slope range: 10 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Characteristics of Pontuge Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Gravelly colluvium derived from sandstone and/or conglomerate

Slope range: 10 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 3 inches; silt loam

AB—3 to 10 inches; gravelly silt loam

Bt1—10 to 17 inches; gravelly silt loam

Bt2—17 to 21 inches; gravelly loam

Btk—21 to 24 inches; gravelly loam

Bk—24 to 42 inches; extremely gravelly sandy loam
BCK—42 to 60 inches; extremely gravelly loamy sand

Dissimilar Minor Components

Swan Flat soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, backslope, footslope

78—Dranburn-Poulridge complex, 5 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,010 to 7,120 feet

Mean annual precipitation: 17 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 55 to 70 days

Map Unit Composition

Dranburn and similar soils: 60 percent

Poulridge and similar soils: 40 percent

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 5 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Characteristics of Poulridge Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium over weakly cemented volcanic ash

Slope range: 5 to 45 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oi—0 to 3 inches; slightly decomposed plant material

A1—3 to 8 inches; silt loam

A2—8 to 15 inches; silt loam

Bt—15 to 31 inches; clay loam

2C—31 to 37 inches; paragravelly loamy very fine sand

2Cr—37 to 60 inches; bedrock

79—Dranyon silt loam, 10 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,980 to 7,390 feet

Mean annual precipitation: 18 to 25 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Dranyon and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Dranyon Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly colluvium

Slope range: 10 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 9 inches; gravelly silt loam

Bt1—9 to 20 inches; gravelly silty clay loam

Bt2—20 to 26 inches; very gravelly silty clay loam

Bt3—26 to 44 inches; very gravelly clay loam

Bt4—44 to 60 inches; cobbly clay loam

Dissimilar Minor Components

Dranburn soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Pavohroo soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Lag soils

Composition: 5 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

80—Dry Canyon loam, dry, 5 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 7,190 to 7,670 feet

Soil Survey of Bear Lake County Area, Idaho

Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Dry Canyon, dry and similar soils: 85 percent
Dissimilar minor components: 15 percent

Characteristics of Dry Canyon, dry Soils

Setting

Landform: Mountain slopes
Geomorphic position (two-dimensional): Summit, backslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northeast to south (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone
Slope range: 5 to 30 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; loam
Bt1—3 to 10 inches; silt loam
Bt2—10 to 18 inches; silt loam
Bt3—18 to 25 inches; gravelly silty clay loam
Bt4—25 to 38 inches; gravelly clay loam
Bt5—38 to 48 inches; gravelly loam
BC—48 to 53 inches; loam
Cr—53 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Sheep Creek, dry soils

Composition: 5 percent
Landform: Mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope

81—Dry Canyon, dry-Cutoff complex, 12 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,080 to 7,310 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Dry Canyon, dry and similar soils: 55 percent

Cutoff and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Dry Canyon, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 12 to 40 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; loam

Bt1—3 to 10 inches; silt loam

Bt2—10 to 18 inches; silt loam

Bt3—18 to 25 inches; gravelly silty clay loam

Bt4—25 to 38 inches; gravelly clay loam

Bt5—38 to 48 inches; gravelly loam

BC—48 to 53 inches; loam

Cr—53 to 60 inches; bedrock

Characteristics of Cutoff Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: East to south (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from sandstone and siltstone
Slope range: 12 to 40 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 0.5 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 2.0
Available water capacity (entire profile): Very low (about 2.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 3 inches; gravelly loam
A2—3 to 5 inches; loam
Bk1—5 to 9 inches; gravelly loam
Bk2—9 to 23 inches; very gravelly loam
R—23 to 60 inches; bedrock

Dissimilar Minor Components

Sweetcreek, dry soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

82—Dumps, mine

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Map Unit Composition

Dumps, mine: 100 percent

83—Dutchcanyon gravelly silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,880 to 6,330 feet

Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Dutchcanyon and similar soils: 85 percent
Dissimilar minor components: 15 percent

Characteristics of Dutchcanyon Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; gravelly silt loam
AB—7 to 13 inches; silt loam
Bk—13 to 27 inches; loam
C—27 to 61 inches; loam

Dissimilar Minor Components

Cedarhill soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Chinhill soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Footslope

Clegg soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

84—Dutchcanyon-Frenchollow complex, 5 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,000 to 6,280 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Dutchcanyon and similar soils: 45 percent

Frenchollow and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Dutchcanyon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 5 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; gravelly silt loam

AB—7 to 13 inches; silt loam

Bk—13 to 27 inches; loam

C—27 to 61 inches; loam

Characteristics of Frenchollow Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East
Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Silty and clayey slope alluvium and/or colluvium
Slope range: 5 to 20 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Land capability subclass (irrigated): 6e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 12 inches; silty clay loam
BA—12 to 20 inches; silty clay
Btss1—20 to 29 inches; silty clay
Btss2—29 to 52 inches; silty clay
Btkss—52 to 62 inches; silty clay

Dissimilar Minor Components

Vicking soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Clegg soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Joes soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

85—Everyy-Preuss complex, 5 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,040 to 7,450 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Every and similar soils: 50 percent
Preuss and similar soils: 25 percent
Dissimilar minor components: 25 percent

Characteristics of Every Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over residuum weathered from calcareous siltstone
Slope range: 5 to 25 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 4 inches; loam
Bt—4 to 15 inches; clay loam
C—15 to 43 inches; very gravelly silt loam
Cr—43 to 60 inches; bedrock

Characteristics of Preuss Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from calcareous siltstone
Slope range: 5 to 25 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): Very low (about 2.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: SHALLOW SILT STONE 12-16 STAC/ACHY (R013XY043ID)

Typical profile

A—0 to 2 inches; gravelly silt loam

Bw—2 to 13 inches; very gravelly loam

Bk—13 to 22 inches; very gravelly loam

Cr—22 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Watkins Ridge, dry soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Mumford soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

86—Every-Preuss complex, 25 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,040 to 7,140 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Every and similar soils: 55 percent

Preuss and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Every Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to west (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from calcareous siltstone

Slope range: 25 to 50 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 4 inches; loam
Bt—4 to 15 inches; clay loam
C—15 to 43 inches; very gravelly silt loam
Cr—43 to 60 inches; bedrock

Characteristics of Preuss Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from calcareous siltstone
Slope range: 25 to 50 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Sodium adsorption ratio is about 4.0
Available water capacity (entire profile): Very low (about 2.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW SILT STONE 12-16 STAC/ACHY (R013XY043ID)

Typical profile

A—0 to 2 inches; gravelly silt loam
Bw—2 to 13 inches; very gravelly loam
Bk—13 to 22 inches; very gravelly loam
Cr—22 to 60 inches; bedrock

Dissimilar Minor Components

Cutoff soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Kucera soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

87—Fishhaven-Dutchcanyon complex, 8 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,890 to 6,600 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Fishhaven and similar soils: 70 percent

Dutchcanyon and similar soils: 20 percent

Dissimilar minor components: 10 percent

Characteristics of Fishhaven Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 8 to 20 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Low (about 3.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID)

Typical profile

A1—0 to 3 inches; gravelly loam

A2—3 to 10 inches; silt loam

BA—10 to 16 inches; gravelly loam

Bk—16 to 22 inches; gravelly loam

C—22 to 27 inches; very gravelly loam

R—27 to 60 inches; bedrock

Characteristics of Dutchcanyon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 8 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; gravelly silt loam

AB—7 to 13 inches; silt loam

Bk—13 to 27 inches; loam

C—27 to 61 inches; loam

Dissimilar Minor Components

Rock outcrop

Composition: 5 percent

Sprollow soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

88—Frenchollow silty clay loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,940 to 6,060 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Frenchhollow and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Frenchhollow Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Silty and clayey alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 12 inches; silty clay loam

BA—12 to 20 inches; silty clay

Btss1—20 to 29 inches; silty clay

Btss2—29 to 52 inches; silty clay

Btkss—52 to 62 inches; silty clay

Dissimilar Minor Components

Broadhead soils

Composition: 10 percent

Landform: Fan remnants

Swanpeak soils

Composition: 5 percent

Landform: Fan remnants

89—Frenchhollow silty clay loam, 4 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 6,560 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Frenchhollow and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Frenchhollow Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Silty and clayey slope alluvium and/or colluvium

Slope range: 4 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 12 inches; silty clay loam

BA—12 to 20 inches; silty clay

Btss1—20 to 29 inches; silty clay

Btss2—29 to 52 inches; silty clay

Btkss—52 to 62 inches; silty clay

Dissimilar Minor Components

Broadhead soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Swanpeak soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

90—Fury silt loam, 0 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,880 to 6,600 feet

Mean annual precipitation: 13 to 20 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Fury and similar soils: 90 percent
Dissimilar minor components: 10 percent

Characteristics of Fury Soils

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Northeast
Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium
Slope range: 0 to 4 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: Occasional (see Water Features table)
Ponding frequency: None
Seasonal high water table minimum depth: About 10 to 20 inches (see Water Features table)
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 11.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w
Land capability subclass (irrigated): 5w
Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material
A—1 to 12 inches; silt loam
Ag1—12 to 21 inches; silty clay loam
Ag2—21 to 31 inches; silty clay loam
Ag3—31 to 41 inches; silty clay loam
Ag4—41 to 51 inches; silt loam
Ag5—51 to 60 inches; silt loam

Dissimilar Minor Components

Chinhill soils

Composition: 5 percent
Landform: Stream terraces

Nythar soils

Composition: 5 percent
Landform: Flood plains

91—Georgecanyon gravelly silt loam, 1 to 4 percent slopes

Map Unit Setting (fig. 13)

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,900 to 6,490 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Georgecanyon and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Georgecanyon Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)



Figure 13.—Irrigated alfalfa hay on detailed map unit 91, Georgetown gravelly silt loam, 1 to 4 percent slopes. Detailed map unit 144, Lonjon-Sprollow-Mumford complex, 30 to 60 percent slopes, is in the lower middle ground; detailed map unit 47, Cedarhill-Clegg-Drage complex, 5 to 55 percent slopes, is in the upper middle ground. The Caribou National Forest and Preuss Range is in the background.

Properties and qualities

Parent material: Loess influenced gravelly alluvium over extremely cobbly alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Low (about 5.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID)

Typical profile

A1—0 to 3 inches; gravelly silt loam

A2—3 to 9 inches; gravelly silt loam

Btk1—9 to 16 inches; gravelly silty clay loam

Btk2—16 to 26 inches; very gravelly silty clay loam

2Bkq1—26 to 39 inches; extremely cobbly sandy clay loam

2Bkq2—39 to 60 inches; extremely cobbly sandy clay loam

Dissimilar Minor Components

Buist soils

Composition: 10 percent

Landform: Fan remnants

92—Hades silt loam, 0 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,880 to 6,490 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Hades and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Hades Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium derived from limestone and sandstone and/or quartzite

Slope range: 0 to 4 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 10.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 3c
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 6 inches; silt loam
BA—6 to 12 inches; silt loam
Bt1—12 to 20 inches; silt loam
Bt2—20 to 61 inches; clay loam

Dissimilar Minor Components

Swanpeak soils

Composition: 10 percent
Landform: Fan remnants

Niter soils

Composition: 5 percent
Landform: Fan remnants

93—Hades silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,840 to 6,880 feet
Mean annual precipitation: 16 to 24 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Hades and similar soils: 85 percent
Dissimilar minor components: 15 percent

Characteristics of Hades Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Concave, convex
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium derived from limestone and sandstone and/or quartzite

Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 10.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 6 inches; silt loam
BA—6 to 12 inches; silt loam
Bt1—12 to 20 inches; silt loam
Bt2—20 to 61 inches; clay loam

Dissimilar Minor Components

Swanpeak soils

Composition: 10 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope

94—Hades silt loam, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,890 to 6,570 feet
Mean annual precipitation: 15 to 20 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Hades and similar soils: 90 percent
Dissimilar minor components: 10 percent

Characteristics of Hades Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Concave, convex
Aspect - representative: Northeast
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or colluvium derived from limestone and sandstone and/or quartzite

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 6 inches; silt loam

BA—6 to 12 inches; silt loam

Bt1—12 to 20 inches; silt loam

Bt2—20 to 61 inches; clay loam

Dissimilar Minor Components

Swanpeak soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

95—Hades-Horrocks complex, 10 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,860 to 6,810 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Hades and similar soils: 60 percent

Horrocks and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Hades Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or colluvium derived from limestone and sandstone and/or quartzite

Slope range: 10 to 30 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 6 inches; silt loam

BA—6 to 12 inches; silt loam

Bt1—12 to 20 inches; silt loam

Bt2—20 to 61 inches; clay loam

Characteristics of Horrocks Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed gravelly alluvium and/or colluvium

Slope range: 10 to 30 percent

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 7 inches; gravelly loam

A2—7 to 12 inches; gravelly loam

Bt1—12 to 19 inches; gravelly clay loam

Bt2—19 to 31 inches; very gravelly clay loam

C—31 to 43 inches; very gravelly loam

R—43 to 60 inches; bedrock

Dissimilar Minor Components

Clegg soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Drage soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope, toeslope

96—Hagenbarth-Clegg complex, 5 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,860 to 6,700 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 41 degrees F

Frost-free period: 50 to 90 days

Map Unit Composition

Hagenbarth and similar soils: 60 percent

Clegg and similar soils: 40 percent

Characteristics of Hagenbarth Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 5 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Bt1—13 to 20 inches; silt loam

Bt2—20 to 44 inches; silt loam

Bt3—44 to 61 inches; silty clay loam

Characteristics of Clegg Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 5 to 30 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam

Btk—28 to 32 inches; gravelly clay loam

Bk—32 to 60 inches; gravelly loam

97—Hagenbarth-Dranburn complex, 10 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 7,430 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Hagenbarth and similar soils: 55 percent

Dranburn and similar soils: 25 percent

Dissimilar minor components: 20 percent

Characteristics of Hagenbarth Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 10 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Bt1—13 to 20 inches; silt loam

Bt2—20 to 44 inches; silt loam

Bt3—44 to 61 inches; silty clay loam

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 10 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Clegg soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Zeebar soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

98—Hagenbarth-Horrocks complex, 20 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,530 to 7,480 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 90 days

Map Unit Composition

Hagenbarth and similar soils: 55 percent

Horrocks and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Hagenbarth Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: Northeast

Aspect - range: West to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced colluvium

Slope range: 20 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Bt1—13 to 20 inches; silt loam

Bt2—20 to 44 inches; silt loam

Bt3—44 to 61 inches; silty clay loam

Characteristics of Horrocks Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: Southeast to west (clockwise)

Properties and qualities

Parent material: Mixed gravelly colluvium

Slope range: 20 to 50 percent

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 7 inches; gravelly loam

A2—7 to 12 inches; gravelly loam

Bt1—12 to 19 inches; gravelly clay loam

Bt2—19 to 31 inches; very gravelly clay loam

C—31 to 43 inches; very gravelly loam

R—43 to 60 inches; bedrock

Dissimilar Minor Components

Bischoff soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Zeebar soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

99—Hagenbarth-Zeebar-Dranburn complex, 5 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,920 to 7,270 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Hagenbarth and similar soils: 40 percent

Zeebar and similar soils: 35 percent

Dranburn and similar soils: 20 percent

Dissimilar minor components: 5 percent

Characteristics of Hagenbarth Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 5 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Bt1—13 to 20 inches; silt loam

Bt2—20 to 44 inches; silt loam

Bt3—44 to 61 inches; silty clay loam

Characteristics of Zeebar Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium

Slope range: 5 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 6 inches; gravelly loam

A2—6 to 13 inches; gravelly loam

Bt1—13 to 18 inches; very gravelly sandy clay loam

Bt2—18 to 34 inches; very gravelly sandy clay loam

Bt3—34 to 48 inches; very gravelly sandy clay loam

Bt4—48 to 60 inches; extremely cobbly sandy clay loam

Characteristics of Dranburn Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, linear

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 5 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Nielsen soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

100—Hoopgobel-Cadero complex, 10 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,000 to 7,020 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Hoopgobel and similar soils: 55 percent

Cadero and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Hoopgobel Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Mixed colluvium over weakly cemented volcanic ash

Slope range: 15 to 35 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; loam

AB—4 to 9 inches; gravelly loam

Bt1—9 to 18 inches; gravelly clay loam

Bt2—18 to 24 inches; gravelly clay loam

Btk—24 to 28 inches; paragravelly clay loam

2Cr—28 to 60 inches; bedrock

Characteristics of Cadero Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, shoulder, summit

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Colluvium derived from volcanic sandstone over weakly cemented volcanic ash

Slope range: 10 to 35 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 5 inches; ashy fine sandy loam

Bw1—5 to 14 inches; ashy fine sandy loam

Bw2—14 to 25 inches; ashy paragravelly fine sandy loam

Cr—25 to 60 inches; bedrock

Dissimilar Minor Components

Brushtop soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Burchert soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope

Whitetop soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

101—Hoopgobel-Slights complex, 15 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,120 to 7,130 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Hoopgobel and similar soils: 65 percent

Slights and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Hoopgobel Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium over weakly cemented volcanic ash

Slope range: 15 to 35 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; loam

AB—4 to 9 inches; gravelly loam

Bt1—9 to 18 inches; gravelly clay loam

Bt2—18 to 24 inches; gravelly clay loam

Btk—24 to 28 inches; paragravelly clay loam

2Cr—28 to 60 inches; bedrock

Characteristics of Slight Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex, concave

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced clayey colluvium

Slope range: 15 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 5 inches; loam

AB—5 to 12 inches; loam

Bt1—12 to 20 inches; silty clay loam

Bt2—20 to 39 inches; silty clay

Bt3—39 to 60 inches; silty clay

Dissimilar Minor Components

Brushtop soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Cadero soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

102—Horrocks-Cedarhill complex, 12 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,900 to 6,560 feet

Mean annual precipitation: 15 to 21 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Horrocks and similar soils: 55 percent
Cedarhill and similar soils: 30 percent
Dissimilar minor components: 15 percent

Characteristics of Horrocks Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope
Down-slope shape: Linear, convex
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Mixed gravelly colluvium
Slope range: 12 to 50 percent
Depth to restrictive feature: 40 to 60 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 7 inches; gravelly loam
A2—7 to 12 inches; gravelly loam
Bt1—12 to 19 inches; gravelly clay loam
Bt2—19 to 31 inches; very gravelly clay loam
C—31 to 43 inches; very gravelly loam
R—43 to 60 inches; bedrock

Characteristics of Cedarhill Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope
Down-slope shape: Convex
Across-slope shape: Linear
Aspect - representative: South
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium derived from limestone
Slope range: 12 to 50 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.3

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

ABk—3 to 7 inches; stony silt loam

Bk1—7 to 13 inches; very gravelly silt loam

Bk2—13 to 26 inches; very cobbly silt loam

C—26 to 60 inches; extremely stony silt loam

Dissimilar Minor Components

Clegg soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Drage soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

103—Horrocks-Cleavage complex, 1 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,070 to 7,170 feet

Mean annual precipitation: 20 to 25 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Horrocks and similar soils: 60 percent

Cleavage and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Horrocks Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium

Slope range: 1 to 12 percent

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 7 inches; gravelly loam

A2—7 to 12 inches; gravelly loam

Bt1—12 to 19 inches; gravelly clay loam

Bt2—19 to 31 inches; very gravelly clay loam

C—31 to 43 inches; very gravelly loam

R—43 to 60 inches; bedrock

Characteristics of Cleavage Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder

Down-slope shape: Convex

Across-slope shape: Linear, convex

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Slope alluvium over residuum weathered from igneous and sedimentary rock

Slope range: 1 to 12 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 2 inches; loam

A2—2 to 6 inches; loam

Bt1—6 to 9 inches; very gravelly clay loam

Bt2—9 to 14 inches; very gravelly clay loam

R—14 to 60 inches; bedrock

Dissimilar Minor Components

Vitale soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Rock outcrop

Composition: 5 percent

104—Horrocks-Cleavage complex, 12 to 55 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,070 to 7,040 feet

Mean annual precipitation: 20 to 25 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Horrocks and similar soils: 60 percent

Cleavage and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Horrocks Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Mixed gravelly colluvium

Slope range: 12 to 55 percent

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 7 inches; gravelly loam

A2—7 to 12 inches; gravelly loam

Bt1—12 to 19 inches; gravelly clay loam

Bt2—19 to 31 inches; very gravelly clay loam

C—31 to 43 inches; very gravelly loam

R—43 to 60 inches; bedrock

Characteristics of Cleavage Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Linear, convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from igneous and sedimentary rock

Slope range: 12 to 55 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 2 inches; loam

A2—2 to 6 inches; loam

Bt1—6 to 9 inches; very gravelly clay loam

Bt2—9 to 14 inches; very gravelly clay loam

R—14 to 60 inches; bedrock

Dissimilar Minor Components

Vitale soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

105—Hutchley-Cupine-Vitale complex, 2 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,940 to 7,410 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Hutchley and similar soils: 30 percent

Cupine and similar soils: 25 percent

Vitale and similar soils: 20 percent

Dissimilar minor components: 25 percent

Characteristics of Hutchley Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from quartzite and/or conglomerate

Slope range: 2 to 60 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A—0 to 2 inches; very cobbly sandy loam

Bt1—2 to 10 inches; very cobbly sandy clay loam

Bt2—10 to 15 inches; very cobbly sandy clay loam

R—15 to 60 inches; bedrock

Characteristics of Cupine Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex, linear

Across-slope shape: Convex, concave

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 4 to 60 percent

Depth to restrictive feature: 20 to 35 inches to lithic bedrock

Soil Survey of Bear Lake County Area, Idaho

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; channery sandy loam

Bw1—3 to 10 inches; channery sandy loam

Bw2—10 to 17 inches; channery sandy loam

2BC—17 to 23 inches; extremely channery sandy loam

R—23 to 60 inches; bedrock

Characteristics of Vitale Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from conglomerate and/or sandstone

Slope range: 2 to 60 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 3 inches; very gravelly sandy loam

Bt1—3 to 9 inches; very cobbly sandy clay loam

Bt2—9 to 20 inches; extremely cobbly sandy clay loam

Bt3—20 to 30 inches; extremely cobbly sandy clay loam

R—30 to 60 inches; bedrock

Dissimilar Minor Components

Dipcreek soils

Composition: 10 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Rock outcrop

Composition: 10 percent

Horrocks soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

106—lphil silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,890 to 6,290 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

lphil and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of lphil Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Dissimilar Minor Components

Kucera soils

Composition: 10 percent

Landform: Fan remnants

Rexburg soils

Composition: 10 percent

Landform: Fan remnants

107—Iphil silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 6,810 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Iphil and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Iphil Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: East

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam
Bw—5 to 13 inches; silt loam
Bk1—13 to 30 inches; silt loam
Bk2—30 to 45 inches; silt loam
Bk3—45 to 52 inches; silt loam
C—52 to 60 inches; silt loam

Dissimilar Minor Components

Buist soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Footslope

Joes soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope

Kucera soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope

Watercanyon soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope

108—lphil silt loam, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,900 to 6,440 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

lphil and similar soils: 80 percent
Dissimilar minor components: 20 percent

Characteristics of lphil Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: Southeast
Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium
Slope range: 12 to 20 percent
Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Dissimilar Minor Components

Niter soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Joes soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rexburg soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

109—Iphil-Lanoak-Watercanyon complex, 12 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,990 to 6,550 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Iphil and similar soils: 30 percent

Lanoak and similar soils: 30 percent

Watercanyon and similar soils: 20 percent

Dissimilar minor components: 20 percent

Characteristics of Iphil Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: Northwest

Aspect - range: Southwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or colluvium

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Characteristics of Lanoak Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: Northwest

Aspect - range: Southwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or colluvium

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam

A2—9 to 16 inches; silt loam

Bt1—16 to 25 inches; silt loam

Bt2—25 to 43 inches; silt loam

Bk—43 to 60 inches; silt loam

Characteristics of Watercanyon Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northwest

Aspect - range: Southwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or colluvium

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 6.0

Available water capacity (entire profile): High (about 11.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; silt loam

Bw—4 to 11 inches; silt loam

Bk1—11 to 23 inches; silt loam

Bk2—23 to 32 inches; silt loam

C—32 to 60 inches; silt loam

Dissimilar Minor Components

Bearhollow soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Arbone soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Hades soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

110—Iphil-Watercanyon complex, 2 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,840 to 6,680 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Iphil and similar soils: 50 percent

Watercanyon and similar soils: 30 percent

Dissimilar minor components: 20 percent

Characteristics of Iphil Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Characteristics of Watercanyon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 6.0

Available water capacity (entire profile): High (about 11.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; silt loam

Bw—4 to 11 inches; silt loam

Bk1—11 to 23 inches; silt loam

Bk2—23 to 32 inches; silt loam

C—32 to 60 inches; silt loam

Dissimilar Minor Components

Brifox soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Ririe soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Wursten soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

111—Iphil-Watercanyon complex, dry, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,070 to 7,360 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Iphil, dry and similar soils: 50 percent

Watercanyon, dry and similar soils: 30 percent

Dissimilar minor components: 20 percent

Characteristics of Iphil, dry Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Characteristics of Watercanyon, dry Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 6.0

Available water capacity (entire profile): High (about 11.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 4 inches; silt loam

Bw—4 to 11 inches; silt loam

Bk1—11 to 23 inches; silt loam

Bk2—23 to 32 inches; silt loam

C—32 to 60 inches; silt loam

Dissimilar Minor Components

Bearhollow, dry soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Brifox, dry soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rexburg, dry soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Wursten, dry soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

112—Ireland-Falula-Vicking complex, 15 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,900 to 7,000 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Ireland and similar soils: 45 percent
Falula and similar soils: 35 percent
Vicking and similar soils: 15 percent
Dissimilar minor components: 5 percent

Characteristics of Ireland Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Colluvium derived from conglomerate and/or limestone
Slope range: 15 to 40 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID)

Typical profile

A1—0 to 4 inches; gravelly loam
A2—4 to 11 inches; very cobbly silt loam
Bk—11 to 24 inches; very cobbly silt loam
R—24 to 60 inches; bedrock

Characteristics of Falula Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced colluvium over residuum weathered from calcareous sandstone and/or conglomerate
Slope range: 15 to 40 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID)

Typical profile

A1—0 to 4 inches; extremely cobbly silt loam
A2—4 to 12 inches; extremely cobbly silt loam
Bk—12 to 18 inches; extremely cobbly silt loam
R—18 to 60 inches; bedrock

Characteristics of Vicking Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed colluvium
Slope range: 15 to 40 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam
Bt—8 to 18 inches; gravelly silty clay loam
Btk—18 to 31 inches; silty clay loam
Bk1—31 to 43 inches; silt loam
Bk2—43 to 60 inches; silt loam

Dissimilar Minor Components

Rock outcrop

Composition: 5 percent

113—Jacanyon-Cleavage complex, 10 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 7,140 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Jacanyon and similar soils: 65 percent

Cleavage and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Jacanyon Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Southwest to northwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 2 inches; loam

Bt1—2 to 11 inches; gravelly loam

Bt2—11 to 18 inches; gravelly clay loam

Bt3—18 to 26 inches; gravelly clay loam

BC—26 to 35 inches; channery clay loam

R—35 to 60 inches; bedrock

Characteristics of Cleavage Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Southwest to northwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from igneous and sedimentary rock
Slope range: 10 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 2 inches; loam
A2—2 to 6 inches; loam
Bt1—6 to 9 inches; very gravelly clay loam
Bt2—9 to 14 inches; very gravelly clay loam
R—14 to 60 inches; bedrock

Dissimilar Minor Components

Dry Canyon soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Rock outcrop
Composition: 5 percent

114—Jebo-Cokeville-Dennot complex, dry, 5 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,240 to 7,350 feet
Mean annual precipitation: 13 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Jebo, dry and similar soils: 40 percent
Cokeville, dry and similar soils: 30 percent
Dennot, dry and similar soils: 20 percent
Dissimilar minor components: 10 percent

Characteristics of Jebo, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from calcareous sandstone

Slope range: 5 to 35 percent

Depth to restrictive feature: 25 to 40 inches to lithic bedrock

Drainage class: Somewhat excessively drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): Very low (about 2.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; gravelly fine sandy loam

BA—3 to 12 inches; gravelly fine sandy loam

Bk1—12 to 19 inches; very gravelly fine sandy loam

Bk2—19 to 28 inches; very gravelly fine sandy loam

R—28 to 60 inches; bedrock

Characteristics of Cokeville, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and/or conglomerate

Slope range: 5 to 35 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 7.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 2 inches; gravelly loam
BA—2 to 5 inches; gravelly silt loam
Bt—5 to 9 inches; gravelly clay loam
Btk1—9 to 15 inches; gravelly loam
Btk2—15 to 31 inches; gravelly silt loam
Btk3—31 to 43 inches; gravelly silty clay loam
2Bk—43 to 56 inches; silty clay loam
2Cr—56 to 60 inches; bedrock

Characteristics of Dennot, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium derived from conglomerate

Slope range: 5 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 2.0

Available water capacity (entire profile): Low (about 5.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 6 inches; loam
Bk1—6 to 20 inches; gravelly loam
Bk2—20 to 42 inches; extremely gravelly sandy loam
Bk3—42 to 49 inches; extremely gravelly loamy sand
2Bk4—49 to 62 inches; extremely gravelly loam

Dissimilar Minor Components

Vitale, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Watkins Ridge, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

115—Jebo-Cupine complex, 8 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,060 to 6,360 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Jebo and similar soils: 55 percent

Cupine and similar soils: 25 percent

Dissimilar minor components: 20 percent

Characteristics of Jebo Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: West

Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from calcareous sandstone

Slope range: 8 to 35 percent

Depth to restrictive feature: 25 to 40 inches to lithic bedrock

Drainage class: Somewhat excessively drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): Very low (about 2.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 3 inches; gravelly fine sandy loam

BA—3 to 12 inches; gravelly fine sandy loam

Bk1—12 to 19 inches; very gravelly fine sandy loam

Bk2—19 to 28 inches; very gravelly fine sandy loam

R—28 to 60 inches; bedrock

Characteristics of Cupine Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Linear

Across-slope shape: Concave

Aspect - representative: West

Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 8 to 35 percent

Depth to restrictive feature: 20 to 35 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 3 inches; channery sandy loam

Bw1—3 to 10 inches; channery sandy loam

Bw2—10 to 17 inches; channery sandy loam

2BC—17 to 23 inches; extremely channery sandy loam

R—23 to 60 inches; bedrock

Dissimilar Minor Components

Arbone soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Rock outcrop

Composition: 10 percent

116—Jebo-Cupine complex, dry, 5 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,170 to 7,610 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Jebo, dry and similar soils: 55 percent
Cupine, dry and similar soils: 25 percent
Dissimilar minor components: 20 percent

Characteristics of Jebo, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: North
Aspect - range: All aspects

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from calcareous sandstone
Slope range: 5 to 35 percent
Depth to restrictive feature: 25 to 40 inches to lithic bedrock
Drainage class: Somewhat excessively drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Sodium adsorption ratio is about 1.0
Available water capacity (entire profile): Very low (about 2.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; gravelly fine sandy loam
BA—3 to 12 inches; gravelly fine sandy loam
Bk1—12 to 19 inches; very gravelly fine sandy loam
Bk2—19 to 28 inches; very gravelly fine sandy loam
R—28 to 60 inches; bedrock

Characteristics of Cupine, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope
Down-slope shape: Linear
Across-slope shape: Concave
Aspect - representative: North
Aspect - range: All aspects

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone
Slope range: 5 to 35 percent
Depth to restrictive feature: 20 to 35 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 3 inches; channery sandy loam

Bw1—3 to 10 inches; channery sandy loam

Bw2—10 to 17 inches; channery sandy loam

2BC—17 to 23 inches; extremely channery sandy loam

R—23 to 60 inches; bedrock

Dissimilar Minor Components

Arbone, dry soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope, toeslope

Rock outcrop

Composition: 10 percent

117—Jebo-Dipcreek complex, 5 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,020 to 6,710 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Jebo and similar soils: 55 percent

Dipcreek and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Jebo Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to south (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from calcareous sandstone

Slope range: 15 to 40 percent

Depth to restrictive feature: 25 to 40 inches to lithic bedrock

Drainage class: Somewhat excessively drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): Very low (about 2.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 3 inches; gravelly fine sandy loam

BA—3 to 12 inches; gravelly fine sandy loam

Bk1—12 to 19 inches; very gravelly fine sandy loam

Bk2—19 to 28 inches; very gravelly fine sandy loam

R—28 to 60 inches; bedrock

Characteristics of Dipcreek Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: North to northeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 5 to 45 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; gravelly loam

BA—4 to 9 inches; very cobbly loam

Bw—9 to 18 inches; extremely cobbly loam

R—18 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 5 percent

Thatcher soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

118—Jebo-Dipcreek complex, dry, 10 to 55 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,000 to 7,410 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Jebo, dry and similar soils: 55 percent

Dipcreek, dry and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Jebo, dry Soils

Setting

Landform: Hillslopes, ridges

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from calcareous sandstone

Slope range: 15 to 40 percent

Depth to restrictive feature: 25 to 40 inches to lithic bedrock

Drainage class: Somewhat excessively drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): Very low (about 2.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; gravelly fine sandy loam

BA—3 to 12 inches; gravelly fine sandy loam

Bk1—12 to 19 inches; very gravelly fine sandy loam

Bk2—19 to 28 inches; very gravelly fine sandy loam

R—28 to 60 inches; bedrock

Characteristics of Dipcreek, dry Soils

Setting

Landform: Hillslopes, ridges

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex, linear

Aspect - representative: North

Aspect - range: North to northeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 10 to 55 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 4 inches; gravelly loam

BA—4 to 9 inches; very cobbly loam

Bw—9 to 18 inches; extremely cobbly loam

R—18 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 5 percent

Thatcher, dry soils

Composition: 5 percent

Landform: Hillslopes, ridges

Geomorphic position (two-dimensional): Backslope, footslope

119—Joes silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,910 to 6,280 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Joes and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Joes Soils

Setting

Landform: Fan remnants
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium
Slope range: 1 to 4 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): High (about 11.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 3c
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 12 inches; silty clay loam
Bk1—12 to 20 inches; silty clay loam
Bk2—20 to 50 inches; silt loam
C—50 to 60 inches; silt loam

Dissimilar Minor Components

lphil soils

Composition: 10 percent
Landform: Fan remnants

Bancroft soils

Composition: 5 percent
Landform: Fan remnants

Niter soils

Composition: 5 percent
Landform: Fan remnants

Watercanyon soils

Composition: 5 percent
Landform: Fan remnants

120—Joes silt loam, 4 to 15 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,860 to 6,700 feet
Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Joes and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Joes Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 4 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 11.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 12 inches; silty clay loam

Bk1—12 to 20 inches; silty clay loam

Bk2—20 to 50 inches; silt loam

C—50 to 60 inches; silt loam

Dissimilar Minor Components

Bancroft soils

Composition: 10 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope, toeslope

Cedarhill soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope

Rock outcrop

Composition: 5 percent

Wursten soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

121—Kucera silt loam, 8 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,900 to 6,810 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Kucera and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Kucera Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium

Slope range: 8 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Dissimilar Minor Components

Rexburg soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

122—Kucera-Chausse-Rexburg complex, 10 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,880 to 7,320 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Kucera and similar soils: 45 percent

Chausse and similar soils: 25 percent

Rexburg and similar soils: 15 percent

Dissimilar minor components: 15 percent

Characteristics of Kucera Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced silty colluvium

Slope range: 10 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Characteristics of Chausse Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium derived from limestone

Slope range: 20 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bk1—3 to 10 inches; very gravelly loam

Bk2—10 to 23 inches; very gravelly loam

Bk3—23 to 42 inches; very gravelly sandy loam

Bk4—42 to 58 inches; very gravelly loam

Bk5—58 to 69 inches; gravelly loam

Characteristics of Rexburg Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced colluvium

Slope range: 10 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Dissimilar Minor Components

Cedarhill soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Cutoff soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

123—La Roco silty clay loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,910 to 6,100 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

La Roco and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of La Roco Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 40 to 60 inches to strongly contrasting textural stratification

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 30 to 40 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 11 inches; silty clay loam

Bk1—11 to 20 inches; silty clay loam

Bk2—20 to 26 inches; silt loam

Bk3—26 to 34 inches; silt loam

Bk4—34 to 42 inches; silt loam

2Cg1—42 to 49 inches; fine sandy loam

2Cg2—49 to 59 inches; very fine sandy loam

3C—59 to 62 inches; extremely gravelly loamy sand

Dissimilar Minor Components

Bear Lake soils

Composition: 10 percent

Landform: Flood plains

Lago soils

Composition: 5 percent

Landform: Flood plains

124—La Roco silty clay loam, saline, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,930 to 5,960 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

La Roco, saline and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of La Roco, saline Soils

Setting

Landform: Stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 40 to 60 inches to strongly contrasting textural stratification

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 30 to 40 inches (see Water Features table)

Salinity maximum: Moderately saline (about 9.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 5.0

Available water capacity (entire profile): High (about 9.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Ecological site: SALINE SEMIWET MEADOW DISP (R013XY052ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 11 inches; silty clay loam

Bk1—11 to 20 inches; silty clay loam

Bk2—20 to 26 inches; silt loam

Bk3—26 to 34 inches; silt loam

Bk4—34 to 42 inches; silt loam

2Cg1—42 to 49 inches; fine sandy loam

2Cg2—49 to 59 inches; very fine sandy loam

3C—59 to 62 inches; extremely gravelly loamy sand

Dissimilar Minor Components

Ovidcreek soils

Composition: 10 percent

Landform: Stream terraces

Thatcherflats soils

Composition: 5 percent

Landform: Stream terraces

125—Lag-Dollarhide-Rock outcrop complex, 5 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,200 to 7,360 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Lag and similar soils: 40 percent

Dollarhide and similar soils: 35 percent

Rock outcrop: 15 percent

Dissimilar minor components: 10 percent

Characteristics of Lag Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium

Slope range: 5 to 60 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material

A—1 to 8 inches; gravelly loam

Bw1—8 to 17 inches; very gravelly sandy loam

Bw2—17 to 32 inches; very gravelly sandy loam

Bw3—32 to 48 inches; extremely gravelly sandy loam

C—48 to 60 inches; extremely gravelly sandy loam

Characteristics of Dollarhide Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from quartzite

Slope range: 5 to 60 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 6 inches; very gravelly sandy loam

A2—6 to 13 inches; very gravelly sandy loam

Bw—13 to 19 inches; extremely gravelly sandy loam

R—19 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

Dissimilar Minor Components

Grunder soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope

126—Lag-Dranyon complex, 10 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,080 to 7,660 feet

Mean annual precipitation: 18 to 26 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Lag and similar soils: 60 percent

Dranyon and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Lag Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed gravelly colluvium

Slope range: 10 to 60 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material

A—1 to 8 inches; gravelly loam

Bw1—8 to 17 inches; very gravelly sandy loam

Bw2—17 to 32 inches; very gravelly sandy loam

Bw3—32 to 48 inches; extremely gravelly sandy loam

C—48 to 60 inches; extremely gravelly sandy loam

Characteristics of Dranyon Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed gravelly colluvium

Slope range: 10 to 60 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 9 inches; gravelly silt loam

Bt1—9 to 20 inches; gravelly silty clay loam

Bt2—20 to 26 inches; very gravelly silty clay loam

Bt3—26 to 44 inches; very gravelly clay loam

Bt4—44 to 60 inches; cobbly clay loam

Dissimilar Minor Components

Pavohroo soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Dranburn soils

Composition: 5 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

127—Lago silt loam, 0 to 1 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,870 to 6,260 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lago and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Lago Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Silty alluvium

Slope range: 0 to 1 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 8 inches; silt loam

Bk1—8 to 13 inches; silt loam

Bk2—13 to 19 inches; silt loam

Bk3—19 to 29 inches; silty clay loam

Bkg—29 to 38 inches; silty clay loam

Bck1—38 to 45 inches; silt loam

Bck2—45 to 55 inches; silt loam

2C—55 to 60 inches; fine sandy loam

Dissimilar Minor Components

Bear Lake soils

Composition: 10 percent

Landform: Flood plains

Thomasfork soils

Composition: 5 percent

Landform: Flood plains

128—Lago-Bear Lake complex, 0 to 1 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,820 to 6,140 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lago and similar soils: 65 percent

Bear Lake and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Lago Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Silty alluvium

Slope range: 0 to 1 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 8 inches; silt loam

Bk1—8 to 13 inches; silt loam

Bk2—13 to 19 inches; silt loam

Bk3—19 to 29 inches; silty clay loam

Bkg—29 to 38 inches; silty clay loam
Bck1—38 to 45 inches; silt loam
Bck2—45 to 55 inches; silt loam
2C—55 to 60 inches; fine sandy loam

Characteristics of Bear Lake Soils

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty and clayey alluvium
Slope range: 0 to 1 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: Rare (see Water Features table)
Ponding frequency: None
Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very high (about 13.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w
Land capability subclass (irrigated): 4w
Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oi—0 to 2 inches; slightly decomposed plant material
A—2 to 10 inches; silty clay loam
Bkg1—10 to 22 inches; silty clay loam
Bkg2—22 to 37 inches; silty clay loam
Bkg3—37 to 46 inches; silty clay loam
Bkg4—46 to 58 inches; silty clay loam
Cg—58 to 63 inches; silty clay loam

Dissimilar Minor Components

Bern soils

Composition: 5 percent
Landform: Stream terraces

Ovidcreek soils

Composition: 5 percent
Landform: Stream terraces

129—Lago-Merkley complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,870 to 6,170 feet
Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lago and similar soils: 60 percent

Merkley and similar soils: 30 percent

Dissimilar minor components: 10 percent

Characteristics of Lago Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Silty alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 8 inches; silt loam

Bk1—8 to 13 inches; silt loam

Bk2—13 to 19 inches; silt loam

Bk3—19 to 29 inches; silty clay loam

Bkg—29 to 38 inches; silty clay loam

BCK1—38 to 45 inches; silt loam

BCK2—45 to 55 inches; silt loam

2C—55 to 60 inches; fine sandy loam

Characteristics of Merkley Soils

Setting

Landform: Stream terraces

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Moderately well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 40 to 60 inches (see Water Features table)

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 10.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 12 inches; silt loam

Bk1—12 to 20 inches; silt loam

Bk2—20 to 28 inches; silt loam

Bk3—28 to 36 inches; silt loam

Bk4—36 to 40 inches; loam

2C1—40 to 53 inches; fine sandy loam

2C2—53 to 56 inches; sandy loam

2C3—56 to 61 inches; loamy coarse sand

Dissimilar Minor Components

Bear Lake soils

Composition: 5 percent

Landform: Flood plains

La Roco soils

Composition: 5 percent

Landform: Flood plains

130—Lanoak silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,940 to 6,670 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lanoak and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Lanoak Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam

A2—9 to 16 inches; silt loam

Bt1—16 to 25 inches; silt loam

Bt2—25 to 43 inches; silt loam

Bk—43 to 60 inches; silt loam

Dissimilar Minor Components

Kucera soils

Composition: 10 percent

Landform: Fan remnants

Bancroft soils

Composition: 5 percent

Landform: Fan remnants

Rexburg soils

Composition: 5 percent

Landform: Fan remnants

131—Lanoak silt loam, 4 to 8 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,930 to 6,530 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lanoak and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Lanoak Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear
Across-slope shape: Convex
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty slope alluvium
Slope range: 4 to 8 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 3e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam
A2—9 to 16 inches; silt loam
Bt1—16 to 25 inches; silt loam
Bt2—25 to 43 inches; silt loam
Bk—43 to 60 inches; silt loam

Dissimilar Minor Components

Kucera soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Rexburg soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

132—Lanoak silt loam, 8 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,910 to 6,580 feet
Mean annual precipitation: 14 to 22 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Lanoak and similar soils: 85 percent
Dissimilar minor components: 15 percent

Characteristics of Lanoak Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: Northeast

Aspect - range: Southwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 8 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam

A2—9 to 16 inches; silt loam

Bt1—16 to 25 inches; silt loam

Bt2—25 to 43 inches; silt loam

Bk—43 to 60 inches; silt loam

Dissimilar Minor Components

Kucera soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Rexburg soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

133—Lanoak silt loam, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,930 to 6,430 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lanoak and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Lanoak Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northwest

Aspect - range: Southwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam

A2—9 to 16 inches; silt loam

Bt1—16 to 25 inches; silt loam

Bt2—25 to 43 inches; silt loam

Bk—43 to 60 inches; silt loam

Dissimilar Minor Components

Kucera soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

134—Lanoak-Arbone complex, 12 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,890 to 6,890 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lanoak and similar soils: 60 percent
Arbone and similar soils: 30 percent
Dissimilar minor components: 10 percent

Characteristics of Lanoak Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: North
Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium
Slope range: 12 to 25 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam
A2—9 to 16 inches; silt loam
Bt1—16 to 25 inches; silt loam
Bt2—25 to 43 inches; silt loam
Bk—43 to 60 inches; silt loam

Characteristics of Arbone Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Convex
Across-slope shape: Convex
Aspect - representative: Southwest
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium
Slope range: 12 to 25 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bw—9 to 18 inches; silt loam

Bk—18 to 34 inches; silt loam

BCK—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Buist soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

135—Lanoak-Rexburg complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,920 to 6,260 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lanoak and similar soils: 55 percent

Rexburg and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Lanoak Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 9 inches; silt loam

A2—9 to 16 inches; silt loam

Bt1—16 to 25 inches; silt loam

Bt2—25 to 43 inches; silt loam

Bk—43 to 60 inches; silt loam

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Dissimilar Minor Components

lphil soils

Composition: 10 percent

Landform: Fan remnants

136—Leftfork-Cleavage complex, 5 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,840 to 7,080 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Leftfork and similar soils: 60 percent

Cleavage and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Leftfork Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: East

Aspect - range: Northwest to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium derived from sedimentary rock

Slope range: 5 to 40 percent

Depth to restrictive feature: 40 to 57 inches to paralithic bedrock; 43 to 60 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; loam

Bt1—5 to 11 inches; clay

Bt2—11 to 18 inches; clay

Bt3—18 to 25 inches; clay

2Bt4—25 to 43 inches; extremely stony clay

2Cr—43 to 45 inches; bedrock

2R—45 to 60 inches; bedrock

Characteristics of Cleavage Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northwest to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from igneous and sedimentary rock
Slope range: 5 to 40 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 2 inches; loam
A2—2 to 6 inches; loam
Bt1—6 to 9 inches; very gravelly clay loam
Bt2—9 to 14 inches; very gravelly clay loam
R—14 to 60 inches; bedrock

Dissimilar Minor Components

Cupine soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope

Hutchley soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Rock outcrop

Composition: 5 percent

137—Lilcan-Rock outcrop-Jacanyon complex, 2 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,960 to 7,570 feet
Mean annual precipitation: 18 to 24 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Lilcan and similar soils: 60 percent
Rock outcrop: 20 percent
Jacanyon and similar soils: 15 percent
Dissimilar minor components: 5 percent

Characteristics of Lilcan Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, convex
Across-slope shape: Convex
Aspect - representative: Southeast
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite
Slope range: 2 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STEEP STONY MAHOGANY 16-22 CELE3-ARTRV/PSSPS (R013XY015ID)

Typical profile

A—0 to 3 inches; gravelly silt loam
Bk1—3 to 9 inches; very cobbly silt loam
Bk2—9 to 15 inches; extremely cobbly silt loam
R—15 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

Characteristics of Jacanyon Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Convex
Aspect - representative: Southeast
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone
Slope range: 10 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 2 inches; loam
Bt1—2 to 11 inches; gravelly loam
Bt2—11 to 18 inches; gravelly clay loam
Bt3—18 to 26 inches; gravelly clay loam
BC—26 to 35 inches; channery clay loam
R—35 to 60 inches; bedrock

Dissimilar Minor Components

Dunford soils

Composition: 5 percent
Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope

**138—Lilcan-Watkins Ridge, dry-Jacanyon complex,
8 to 50 percent slopes**

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,290 to 7,290 feet
Mean annual precipitation: 15 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Lilcan and similar soils: 35 percent
Watkins Ridge, dry and similar soils: 35 percent
Jacanyon and similar soils: 20 percent
Dissimilar minor components: 10 percent

Characteristics of Lilcan Soils

Setting

Landform: Mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope
Down-slope shape: Convex
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite

Slope range: 8 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP STONY MAHOGANY 16-22 CELE3-ARTRV/PSSPS (R013XY015ID)

Typical profile

A—0 to 3 inches; gravelly silt loam

Bk1—3 to 9 inches; very cobbly silt loam

Bk2—9 to 15 inches; extremely cobbly silt loam

R—15 to 60 inches; bedrock

Characteristics of Watkins Ridge, dry Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium derived from limestone and sandstone

Slope range: 8 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 8 inches; gravelly silt loam

A2—8 to 14 inches; gravelly silt loam

Bk1—14 to 26 inches; silt loam

Bk2—26 to 45 inches; silt loam

Bk3—45 to 60 inches; silt loam

Characteristics of Jacanyon Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 2 inches; loam

Bt1—2 to 11 inches; gravelly loam

Bt2—11 to 18 inches; gravelly clay loam

Bt3—18 to 26 inches; gravelly clay loam

BC—26 to 35 inches; channery clay loam

R—35 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

139—Lonjon-Kucera-Sprollow complex, 10 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,060 to 7,070 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lonjon and similar soils: 45 percent

Kucera and similar soils: 20 percent

Sprollow and similar soils: 15 percent
Dissimilar minor components: 20 percent

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Gravelly slope alluvium and/or colluvium over residuum weathered from limestone
Slope range: 10 to 25 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam
Bw—3 to 12 inches; very gravelly loam
Bk—12 to 26 inches; very gravelly loam
R—26 to 60 inches; bedrock

Characteristics of Kucera Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: Northwest
Aspect - range: West to north (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium
Slope range: 10 to 25 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Characteristics of Sprollow Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 10 to 25 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Dissimilar Minor Components

Mumford soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 10 percent

140—Lonjon-Kucera, dry-Sprollo, dry complex, 5 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,050 to 6,710 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lonjon and similar soils: 45 percent

Kucera, dry and similar soils: 20 percent

Sprollo, dry and similar soils: 15 percent

Dissimilar minor components: 20 percent

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Gravelly slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 5 to 25 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Kucera, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty slope alluvium and/or colluvium

Slope range: 5 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Characteristics of Sprollow, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 5 to 25 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Dissimilar Minor Components

Mumford soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 10 percent

141—Lonjon-Monida-Chokecherry complex, 5 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,220 to 7,740 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 85 days

Map Unit Composition

Lonjon and similar soils: 30 percent

Monida and similar soils: 25 percent

Chokecherry and similar soils: 20 percent

Dissimilar minor components: 25 percent

Characteristics of Lonjon Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Gravelly slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 5 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Monida Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium derived from sandstone and siltstone

Slope range: 5 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.2 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 0.5

Available water capacity (entire profile): High (about 9.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 3 inches; silt loam

Bt—3 to 7 inches; silty clay loam

Btk—7 to 15 inches; gravelly silty clay loam

Bk1—15 to 33 inches; very gravelly silt loam

Bk2—33 to 57 inches; gravelly silt loam

Bk3—57 to 60 inches; very fine sandy loam

Characteristics of Chokecherry Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Linear

Soil Survey of Bear Lake County Area, Idaho

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 5 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 4 inches; very gravelly sandy loam

A2—4 to 9 inches; very cobbly sandy loam

Bw—9 to 18 inches; extremely cobbly sandy loam

R—18 to 60 inches; bedrock

Dissimilar Minor Components

Crossley soils

Composition: 5 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Dennot soils

Composition: 5 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Jacanyon soils

Composition: 5 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Rock outcrop

Composition: 5 percent

Vicking soils

Composition: 5 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

142—Lonjon-Mumford-Rock outcrop complex, 25 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,890 to 7,020 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Lonjon and similar soils: 45 percent

Mumford and similar soils: 25 percent

Rock outcrop: 20 percent

Dissimilar minor components: 10 percent

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone

Slope range: 25 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Mumford Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 25 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam

Bk1—3 to 6 inches; very gravelly silt loam

Bk2—6 to 12 inches; very gravelly silt loam

Bk3—12 to 17 inches; extremely gravelly loam

R—17 to 60 inches; bedrock

Characteristics of Rock outcrop

Definition

Rock outcrop consists of exposures of bare bedrock.

Dissimilar Minor Components

Sprollow soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

143—Lonjon-Sheep Creek-Dipcreek complex, 10 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,150 to 7,030 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Lonjon and similar soils: 40 percent

Sheep Creek and similar soils: 30 percent

Dipcreek and similar soils: 25 percent

Dissimilar minor components: 5 percent

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: West to southeast (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone

Slope range: 10 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Sheep Creek Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: East

Aspect - range: East to southeast (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A1—0 to 5 inches; gravelly sandy loam
A2—5 to 11 inches; gravelly loam
Bt—11 to 21 inches; very gravelly clay loam
Btk—21 to 33 inches; extremely cobbly clay loam
Bk—33 to 38 inches; extremely cobbly loam
R—38 to 60 inches; bedrock

Characteristics of Dipcreek Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope
Down-slope shape: Convex, concave
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone
Slope range: 10 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): High
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; gravelly loam
BA—4 to 9 inches; very cobbly loam
Bw—9 to 18 inches; extremely cobbly loam
R—18 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 5 percent

144—Lonjon-Sprollow-Mumford complex, 30 to 60 percent slopes

Map Unit Setting (fig. 13)

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,900 to 7,300 feet
Mean annual precipitation: 14 to 22 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 65 to 90 days

Map Unit Composition

Lonjon and similar soils: 45 percent
Sprollo and similar soils: 20 percent
Mumford and similar soils: 15 percent
Dissimilar minor components: 20 percent

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Aspect - representative: West
Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone
Slope range: 30 to 60 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam
Bw—3 to 12 inches; very gravelly loam
Bk—12 to 26 inches; very gravelly loam
R—26 to 60 inches; bedrock

Characteristics of Sprollo Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone
Slope range: 30 to 60 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Characteristics of Mumford Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 30 to 60 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam

Bk1—3 to 6 inches; very gravelly silt loam

Bk2—6 to 12 inches; very gravelly silt loam

Bk3—12 to 17 inches; extremely gravelly loam

R—17 to 60 inches; bedrock

Dissimilar Minor Components

Hagenbarth soils

Composition: 10 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Lizdale soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

145—Marshdale-Bloomcreek complex, 0 to 3 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,960 to 6,700 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Marshdale and similar soils: 45 percent

Bloomcreek and similar soils: 30 percent

Dissimilar minor components: 25 percent

Characteristics of Marshdale Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to strongly contrasting textural stratification

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Occasional (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: RIPARIAN WET MEADOW SALIX/CAREX (R013XY050ID)

Typical profile

Oa—0 to 2 inches; highly decomposed plant material

A1—2 to 9 inches; silt loam

A2—9 to 15 inches; silt loam

Bg1—15 to 24 inches; silty clay loam

Bg2—24 to 38 inches; silty clay loam

Bg3—38 to 50 inches; silt loam

2Cg—50 to 60 inches; extremely gravelly loamy coarse sand

Characteristics of Bloomcreek Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Silty alluvium over mixed sandy and gravelly alluvium

Slope range: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 32 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 6.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 17 inches; silt loam

B/A—17 to 24 inches; stratified gravelly loamy coarse sand to silt loam

Bg—24 to 32 inches; stratified very gravelly loamy sand to silt loam

2Ab—32 to 38 inches; silt loam

3Cg—38 to 60 inches; stratified extremely gravelly loamy coarse sand to gravelly sandy loam

Dissimilar Minor Components

Bearbou soils

Composition: 10 percent

Landform: Flood plains

Hades soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Hagenbarth soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Thomasfork soils

Composition: 5 percent

Landform: Flood plains

146—Merkley silt loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,830 to 6,170 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Merkley and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Merkley Soils

Setting

Landform: Stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Moderately well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 40 to 60 inches (see Water Features table)

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 10.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 12 inches; silt loam

Bk1—12 to 20 inches; silt loam

Bk2—20 to 28 inches; silt loam

Bk3—28 to 36 inches; silt loam

Bk4—36 to 40 inches; loam

2C1—40 to 53 inches; fine sandy loam

2C2—53 to 56 inches; sandy loam

2C3—56 to 61 inches; loamy coarse sand

Dissimilar Minor Components

lphil soils

Composition: 5 percent

Landform: Stream terraces

Lago soils

Composition: 5 percent

Landform: Flood plains

Ream soils

Composition: 5 percent

Landform: Stream terraces

147—Millerditch-Cookcan complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,810 to 6,230 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Millerditch and similar soils: 60 percent

Cookcan and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Millerditch Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 36 inches (see Water Features table)

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 8.0

Available water capacity (entire profile): Moderate (about 8.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

Ak1—0 to 1 inches; silty clay loam

Ak2—1 to 8 inches; silty clay loam

Bk1—8 to 11 inches; silt loam

Bk2—11 to 15 inches; loam

Bk3—15 to 29 inches; fine sandy loam

Cg1—29 to 45 inches; sandy loam

2Cg2—45 to 53 inches; loamy sand

2Agb—53 to 61 inches; sandy loam

Characteristics of Cookcan Soils

Setting

Landform: Flood plains

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed silty alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 3 to 13 inches to abrupt textural change

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Moderate (about 9.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Ak1—0 to 3 inches; silt loam

Ak2—3 to 9 inches; silty clay

Bk—9 to 12 inches; silty clay loam

2Bkg1—12 to 24 inches; fine sandy loam

2Bkg2—24 to 35 inches; fine sandy loam

2Bkg3—35 to 40 inches; loam

2Cg—40 to 58 inches; stratified loamy sand to loam

3Cg—58 to 61 inches; stratified very gravelly loamy sand to fine sandy loam

Dissimilar Minor Components

Blackotter soils

Composition: 5 percent

Landform: Flood plains

Lago soils

Composition: 5 percent

Landform: Flood plains

Ream soils

Composition: 5 percent

Landform: Stream terraces

148—Mumford very gravelly silt loam, 2 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,000 to 6,850 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Mumford and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Mumford Soils

Setting

Landform: Ridges

Geomorphic position (two-dimensional): Summit, shoulder

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced gravelly slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 2 to 35 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam

Bk1—3 to 6 inches; very gravelly silt loam

Bk2—6 to 12 inches; very gravelly silt loam

Bk3—12 to 17 inches; extremely gravelly loam

R—17 to 60 inches; bedrock

Dissimilar Minor Components

Sprollow, dry soils

Composition: 10 percent

Landform: Ridges

Geomorphic position (two-dimensional): Shoulder, backslope

149—Mumford-Sprollow complex, 15 to 45 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,030 to 6,600 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Mumford and similar soils: 60 percent

Sprollow and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Mumford Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 15 to 45 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam

Bk1—3 to 6 inches; very gravelly silt loam

Bk2—6 to 12 inches; very gravelly silt loam

Bk3—12 to 17 inches; extremely gravelly loam

R—17 to 60 inches; bedrock

Characteristics of Sprollow Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: West

Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone

Slope range: 15 to 45 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Dissimilar Minor Components

Lonjon soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

150—Mumford-Sprollow, dry complex, 15 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,940 to 7,630 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Mumford and similar soils: 60 percent

Sprollow, dry and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Mumford Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 15 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam

Bk1—3 to 6 inches; very gravelly silt loam

Bk2—6 to 12 inches; very gravelly silt loam

Bk3—12 to 17 inches; extremely gravelly loam

R—17 to 60 inches; bedrock

Characteristics of Sprollow, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone

Slope range: 15 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Dissimilar Minor Components

Lonjon soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

151—Mumford-Sprollow, dry complex, 50 to 75 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,940 to 7,440 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Mumford and similar soils: 65 percent

Sprollow, dry and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Mumford Soils

Setting

Landform: Hillslopes, ridges

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: West

Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 50 to 75 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 8e
Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam
Bk1—3 to 6 inches; very gravelly silt loam
Bk2—6 to 12 inches; very gravelly silt loam
Bk3—12 to 17 inches; extremely gravelly loam
R—17 to 60 inches; bedrock

Characteristics of Sprollow, dry Soils

Setting

Landform: Hillslopes, ridges
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Concave, convex
Aspect - representative: West
Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone
Slope range: 50 to 75 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 8e
Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 2 inches; gravelly loam
Bw—2 to 7 inches; gravelly loam
Bk1—7 to 16 inches; very gravelly loam
Bk2—16 to 24 inches; very gravelly sandy loam
Bk3—24 to 34 inches; extremely gravelly sandy loam
R—34 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

152—Nielsen-Dranburn-Hagenbarth complex, 5 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,120 to 7,350 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Nielsen and similar soils: 45 percent

Dranburn and similar soils: 20 percent

Hagenbarth and similar soils: 15 percent

Dissimilar minor components: 20 percent

Characteristics of Nielsen Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 5 to 40 percent

Depth to restrictive feature: 14 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 6 inches; gravelly loam

A2—6 to 12 inches; very cobbly silt loam

Bt—12 to 18 inches; extremely cobbly silty clay loam

R—18 to 60 inches; bedrock

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium

Slope range: 20 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Characteristics of Hagenbarth Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 5 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Bt1—13 to 20 inches; silt loam
Bt2—20 to 44 inches; silt loam
Bt3—44 to 61 inches; silty clay loam

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Dollarhide soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Zeebar soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

**153—North Beach extremely cobbly loamy coarse sand,
1 to 6 percent slopes**

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,930 to 5,940 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

North Beach and similar soils: 100 percent

Characteristics of North Beach Soils

Setting

Landform: Lake terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Wave worked beach sand

Slope range: 1 to 6 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 30 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 2.0

Available water capacity (entire profile): Low (about 4.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6s

Ecological site: SALINE SEMIWET MEADOW DISP (R013XY052ID)

Typical profile

A—0 to 3 inches; extremely cobbly loamy coarse sand
C—3 to 22 inches; extremely cobbly loamy coarse sand
2Cg1—22 to 41 inches; very fine sandy loam
2Cg2—41 to 50 inches; loamy very fine sand
2Cg3—50 to 60 inches; stratified loamy sand to sandy loam

154—Nuffer-Blackotter complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,900 to 6,440 feet

Mean annual precipitation: 13 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Nuffer and similar soils: 45 percent

Blackotter and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Nuffer Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 30 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Low (about 3.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 2 inches; gravelly loam
Ak1—2 to 6 inches; gravelly sandy loam
Ak2—6 to 16 inches; gravelly sandy loam
Bk1—16 to 24 inches; very gravelly sandy loam
Bk2—24 to 33 inches; very gravelly loamy sand
2Bk3—33 to 46 inches; extremely gravelly sand
2Bk4—46 to 63 inches; extremely gravelly sand

Characteristics of Blackotter Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed loamy alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 31 to 37 inches to strongly contrasting textural stratification

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 18 inches (see Water Features table)

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Moderate (about 6.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A1—0 to 2 inches; loam

A2—2 to 8 inches; loam

Bw—8 to 11 inches; loam

Bk1—11 to 20 inches; clay loam

Bk2—20 to 37 inches; very fine sandy loam

2C1—37 to 50 inches; very gravelly coarse sand

2C2—50 to 61 inches; extremely cobbly sand

Dissimilar Minor Components

La Roco soils

Composition: 10 percent

Landform: Flood plains

Lago soils

Composition: 10 percent

Landform: Flood plains

155—Nythar-Sagollow complex, 0 to 5 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 6,480 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Nythar and similar soils: 75 percent
Sagollow and similar soils: 15 percent
Dissimilar minor components: 10 percent

Characteristics of Nythar Soils

Setting

Landform: Flood plains
Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: Northeast
Aspect - range: West to southeast (clockwise)

Properties and qualities

Parent material: Mixed alluvium
Slope range: 0 to 5 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Very poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: Rare (see Water Features table)
Ponding frequency: None
Seasonal high water table minimum depth: At the soil surface to 10 inches (see Water Features table)
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 10.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w
Ecological site: MEADOW DECA18-CANE2 (R013XY038ID)

Typical profile

Oe—0 to 2 inches; mucky peat
A—2 to 10 inches; silt loam
ABg—10 to 19 inches; silt loam
Bg1—19 to 29 inches; silty clay loam
Bg2—29 to 42 inches; silty clay loam
Cg—42 to 60 inches; gravelly sandy clay loam

Characteristics of Sagollow Soils

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Concave
Aspect - representative: Northeast
Aspect - range: West to southeast (clockwise)

Properties and qualities

Parent material: Mixed alluvium
Slope range: 0 to 5 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID)

Typical profile

A—0 to 4 inches; silt loam

A/B—4 to 12 inches; silt loam

Bt1—12 to 22 inches; cobbly silty clay loam

Bt2—22 to 26 inches; very cobbly silty clay loam

Bt3—26 to 45 inches; extremely cobbly clay loam

Bt4—45 to 60 inches; extremely cobbly clay loam

Dissimilar Minor Components

Streak soils

Composition: 5 percent

Landform: Stream terraces

Swanpeak soils

Composition: 5 percent

Landform: Stream terraces

156—Ovidcreek silt loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,920 to 6,070 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Ovidcreek and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Ovidcreek Soils

Setting

Landform: Stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Silty alluvium and/or lacustrine deposits

Slope range: 0 to 2 percent

Depth to restrictive feature: 2 to 13 inches to natric

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 30 to 40 inches (see Water Features table)

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 25.0

Available water capacity (entire profile): High (about 9.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6s

Land capability subclass (irrigated): 6s

Ecological site: SALINE SEMIWET MEADOW DISP (R013XY052ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 5 inches; silt loam

Btkn1—5 to 11 inches; silty clay loam

Btkn2—11 to 17 inches; silty clay loam

Bkn—17 to 24 inches; silt loam

B'tkn—24 to 38 inches; silty clay loam

B'kn1—38 to 61 inches; silt loam

B'kn2—61 to 67 inches; very fine sandy loam

Dissimilar Minor Components

Bear Lake soils

Composition: 10 percent

Landform: Flood plains

Lago soils

Composition: 10 percent

Landform: Flood plains

Thatcherflats soils

Composition: 5 percent

Landform: Stream terraces

157—Parding-Firading-Hagenbarth complex, 5 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,180 to 7,650 feet

Mean annual precipitation: 17 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Parding and similar soils: 40 percent

Firading and similar soils: 30 percent

Hagenbarth and similar soils: 15 percent

Dissimilar minor components: 15 percent

Characteristics of Parding Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Soil Survey of Bear Lake County Area, Idaho

Down-slope shape: Linear, convex
Across-slope shape: Convex
Aspect - representative: South
Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium derived from limestone
Slope range: 5 to 40 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 2.0
Available water capacity (entire profile): Moderate (about 8.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam
Bw—5 to 14 inches; silt loam
Bk1—14 to 22 inches; loam
Bk2—22 to 27 inches; gravelly loam
Bk3—27 to 36 inches; loam
Bk4—36 to 48 inches; sandy loam
Bk5—48 to 60 inches; gravelly sandy loam

Characteristics of Firading Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Concave, convex
Aspect - representative: North
Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone
Slope range: 5 to 40 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 3.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A—0 to 4 inches; gravelly loam
Bw—4 to 11 inches; very gravelly loam
Bk1—11 to 18 inches; very gravelly sandy loam
Bk2—18 to 28 inches; extremely gravelly loam
Bk3—28 to 39 inches; extremely gravelly loam
R—39 to 60 inches; bedrock

Characteristics of Hagenbarth Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 5 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 13 inches; silt loam
Bt1—13 to 20 inches; silt loam
Bt2—20 to 44 inches; silt loam
Bt3—44 to 61 inches; silty clay loam

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Slights soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, backslope, footslope

158—Parding-Firading-Hagenbarth complex, dry, 5 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,810 to 7,330 feet

Mean annual precipitation: 16 to 18 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Parding, dry and similar soils: 40 percent

Firading, dry and similar soils: 30 percent

Hagenbarth, dry and similar soils: 15 percent

Dissimilar minor components: 15 percent

Characteristics of Parding, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium derived from limestone

Slope range: 5 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 2.0

Available water capacity (entire profile): Moderate (about 8.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 14 inches; silt loam

Bk1—14 to 22 inches; loam

Bk2—22 to 27 inches; gravelly loam

Bk3—27 to 36 inches; loam

Bk4—36 to 48 inches; sandy loam

Bk5—48 to 60 inches; gravelly sandy loam

Characteristics of Firading, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 5 to 25 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 4 inches; gravelly loam

Bw—4 to 11 inches; very gravelly loam

Bk1—11 to 18 inches; very gravelly sandy loam

Bk2—18 to 28 inches; extremely gravelly loam

Bk3—28 to 39 inches; extremely gravelly loam

R—39 to 60 inches; bedrock

Characteristics of Hagenbarth, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 5 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 1.5

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Bt1—13 to 20 inches; silt loam

Bt2—20 to 44 inches; silt loam

Bt3—44 to 61 inches; silty clay loam

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Slights soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

159—Pegram silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,880 to 7,050 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Pegram and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Pegram Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium over gravelly alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Moderate (about 7.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID)

Typical profile

A—0 to 6 inches; silt loam

BA—6 to 14 inches; silty clay loam

Bt—14 to 21 inches; silty clay loam

Btk1—21 to 28 inches; gravelly silty clay loam

Btk2—28 to 39 inches; very gravelly silty clay loam

2Bk1—39 to 50 inches; extremely gravelly clay loam

3Bk2—50 to 61 inches; extremely gravelly sandy loam

Dissimilar Minor Components

Buist soils

Composition: 10 percent

Landform: Fan remnants

Cedarhill soils

Composition: 5 percent

Landform: Fan remnants

Georgecanyon soils

Composition: 5 percent

Landform: Fan remnants

160—Pinegap-Lonjon complex, 35 to 65 percent slopes

Map Unit Setting (fig. 14)

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,990 to 7,040 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Pinegap and similar soils: 50 percent

Lonjon and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Pinegap Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone

Slope range: 35 to 65 percent



Figure 14.—Cattle grazing on detailed map unit 172, Rexburg-lphill complex, 4 to 8 percent slopes. Detailed map unit 160, Pinegap-Lonjon complex, 35 to 65 percent slopes, is in the middle ground, and detailed map unit 190, Sprollow, dry-Lonjon complex, 30 to 60 percent slopes, is in the background.

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 2 inches; very gravelly loam

Bw—2 to 6 inches; gravelly loam

Bk1—6 to 15 inches; very gravelly loam

Bk2—15 to 25 inches; gravelly clay loam

2Btk—25 to 50 inches; gravelly loam

2Bk—50 to 55 inches; very cobbly fine sandy loam

2R—55 to 60 inches; bedrock

Characteristics of Lonjon Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone

Slope range: 35 to 65 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Dissimilar Minor Components

Bearhollow soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

161—Pinehollow-Ant Flat-Sheep Creek complex, 2 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,310 to 7,270 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Pinehollow and similar soils: 45 percent

Ant Flat and similar soils: 25 percent

Sheep Creek and similar soils: 20 percent

Dissimilar minor components: 10 percent

Characteristics of Pinehollow Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 2 to 35 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 2 inches; very cobbly silt loam

A2—2 to 7 inches; very cobbly silt loam

Bt1—7 to 16 inches; cobbly loam

Bt2—16 to 22 inches; gravelly loam

Btk—22 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Ant Flat Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 5 inches; gravelly silty clay loam

BAt—5 to 9 inches; gravelly silty clay loam

Bt—9 to 25 inches; gravelly clay

Btk1—25 to 38 inches; gravelly clay

Btk2—38 to 60 inches; gravelly clay loam

Characteristics of Sheep Creek Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 2 to 35 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID)

Typical profile

A1—0 to 5 inches; gravelly sandy loam

A2—5 to 11 inches; gravelly loam

Bt—11 to 21 inches; very gravelly clay loam

Btk—21 to 33 inches; extremely cobbly clay loam

Bk—33 to 38 inches; extremely cobbly loam

R—38 to 60 inches; bedrock

Dissimilar Minor Components

Cedarhill soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope

Dry Canyon soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

162—Pits, gravel

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Map Unit Composition

Pits, gravel: 100 percent

163—Pontuge-Cokeville complex, 10 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,600 to 7,700 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 80 days

Map Unit Composition

Pontuge and similar soils: 45 percent

Cokeville and similar soils: 40 percent

Dissimilar minor components: 15 percent

Characteristics of Pontuge Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Gravelly colluvium derived from sandstone and/or conglomerate

Slope range: 15 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 3 inches; silt loam
AB—3 to 10 inches; gravelly silt loam
Bt1—10 to 17 inches; gravelly silt loam
Bt2—17 to 21 inches; gravelly loam
Btk—21 to 24 inches; gravelly loam
Bk—24 to 42 inches; extremely gravelly sandy loam
BCk—42 to 60 inches; extremely gravelly loamy sand

Characteristics of Cokeville Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope
Down-slope shape: Concave
Across-slope shape: Linear
Aspect - representative: Southeast
Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and/or conglomerate
Slope range: 10 to 35 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 7.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID)

Typical profile

A—0 to 2 inches; gravelly loam
BA—2 to 5 inches; gravelly silt loam
Bt—5 to 9 inches; gravelly clay loam
Btk1—9 to 15 inches; gravelly loam
Btk2—15 to 31 inches; gravelly silt loam
Btk3—31 to 43 inches; gravelly silty clay loam
2Bk—43 to 56 inches; silty clay loam
2Cr—56 to 60 inches; bedrock

Dissimilar Minor Components

Boyd hollow soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Warshod soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

164—Preussrange-Halfcircle complex, 12 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,330 to 7,840 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 36 to 41 degrees F

Frost-free period: 50 to 75 days

Map Unit Composition

Preussrange and similar soils: 50 percent

Halfcircle and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Preussrange Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: East to northwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from calcareous siltstone

Slope range: 12 to 60 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): Very low (about 3.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP STONY MAHOGANY 16-22 CELE3-ARTRV/PSSPS (R013XY015ID)

Typical profile

A—0 to 4 inches; channery silt loam

Btk1—4 to 9 inches; channery silt loam

Btk2—9 to 13 inches; very channery silty clay loam

Bk—13 to 17 inches; very channery silty clay loam

C—17 to 25 inches; extremely channery silty clay loam

Cr—25 to 60 inches; bedrock

Characteristics of Halfcircle Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave
Across-slope shape: Concave
Aspect - representative: Northeast
Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced colluvium over residuum weathered from siltstone
Slope range: 20 to 60 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 4.0
Available water capacity (entire profile): Moderate (about 7.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oa—0 to 1 inches; highly decomposed plant material
A—1 to 7 inches; silt loam
Btk—7 to 16 inches; silt loam
Bk—16 to 22 inches; silt loam
C—22 to 42 inches; silt loam
Cr—42 to 60 inches; bedrock

Dissimilar Minor Components

Hagenbarth soils

Composition: 10 percent
Landform: Mountain slopes
Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

165—Prucree-Dipcreek complex, 4 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,300 to 7,220 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 65 to 80 days

Map Unit Composition

Prucree and similar soils: 50 percent
Dipcreek and similar soils: 30 percent
Dissimilar minor components: 20 percent

Characteristics of Prucree Soils

Setting

Landform: Mountain slopes, ridges
Geomorphic position (two-dimensional): Backslope
Down-slope shape: Convex
Across-slope shape: Convex
Aspect - representative: Northeast
Aspect - range: Northwest to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone
Slope range: 4 to 20 percent
Depth to restrictive feature: 20 to 35 inches to paralithic bedrock; 21 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): High
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 3.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 2 inches; sandy loam
BA—2 to 10 inches; sandy loam
Bw1—10 to 19 inches; sandy loam
Bw2—19 to 28 inches; sandy loam
Cr—28 to 29 inches; bedrock
R—29 to 60 inches; bedrock

Characteristics of Dipcreek Soils

Setting

Landform: Ridges, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder
Down-slope shape: Convex
Across-slope shape: Linear
Aspect - representative: Northeast
Aspect - range: Northwest to southwest (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone
Slope range: 4 to 20 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): High
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; gravelly loam

BA—4 to 9 inches; very cobbly loam

Bw—9 to 18 inches; extremely cobbly loam

R—18 to 60 inches; bedrock

Dissimilar Minor Components

Vipont soils

Composition: 10 percent

Landform: Mountain slopes, ridges

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Rock outcrop

Composition: 5 percent

Suryon soils

Composition: 5 percent

Landform: Ridges, mountain slopes

Geomorphic position (two-dimensional): Backslope

166—Raynal silty clay loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,960 to 6,240 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Raynal and similar soils: 90 percent

Dissimilar minor components: 10 percent

Characteristics of Raynal Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 24 to 42 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 10 inches; silty clay loam

BA—10 to 22 inches; silty clay loam

Bkg1—22 to 29 inches; silt loam

Bkg2—29 to 35 inches; silty clay loam

Bkg3—35 to 40 inches; silt loam

Bkg4—40 to 46 inches; silt loam

Bkg5—46 to 60 inches; very fine sandy loam

Dissimilar Minor Components

Bear Lake soils

Composition: 5 percent

Landform: Flood plains

Thomasfork soils

Composition: 5 percent

Landform: Flood plains

167—Raynal-Lago complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,050 to 6,170 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Raynal and similar soils: 60 percent

Lago and similar soils: 30 percent

Dissimilar minor components: 10 percent

Characteristics of Raynal Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 24 to 42 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 10 inches; silty clay loam

BA—10 to 22 inches; silty clay loam

Bkg1—22 to 29 inches; silt loam

Bkg2—29 to 35 inches; silty clay loam

Bkg3—35 to 40 inches; silt loam

Bkg4—40 to 46 inches; silt loam

Bkg5—46 to 60 inches; very fine sandy loam

Characteristics of Lago Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Silty alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 10.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A—0 to 8 inches; silt loam

Bk1—8 to 13 inches; silt loam

Bk2—13 to 19 inches; silt loam

Bk3—19 to 29 inches; silty clay loam

Bkg—29 to 38 inches; silty clay loam

BCk1—38 to 45 inches; silt loam

BCK2—45 to 55 inches; silt loam

2C—55 to 60 inches; fine sandy loam

Dissimilar Minor Components

Bear Lake soils

Composition: 5 percent

Landform: Flood plains

Bern soils

Composition: 5 percent

Landform: Stream terraces

168—Ream-Merkley complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,830 to 6,080 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Ream and similar soils: 55 percent

Merkley and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Ream Soils

Setting

Landform: Stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 26 to 40 inches to strongly contrasting textural stratification

Drainage class: Moderately well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 48 to 60 inches (see Water Features table)

Salinity maximum: Slightly saline (about 5.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 2.0

Available water capacity (entire profile): Moderate (about 6.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 13 inches; silt loam

Btk—13 to 19 inches; silt loam
Bk1—19 to 24 inches; silt loam
Bk2—24 to 29 inches; loam
Bk3—29 to 34 inches; sandy loam
2Bkq1—34 to 50 inches; very gravelly loamy coarse sand
2Bkq2—50 to 61 inches; extremely gravelly sand

Characteristics of Merkley Soils

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Mixed alluvium
Slope range: 0 to 2 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Moderately well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: About 40 to 60 inches (see Water Features table)
Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 1.0
Available water capacity (entire profile): High (about 10.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 3c
Ecological site: LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID)

Typical profile

A1—0 to 2 inches; silt loam
A2—2 to 12 inches; silt loam
Bk1—12 to 20 inches; silt loam
Bk2—20 to 28 inches; silt loam
Bk3—28 to 36 inches; silt loam
Bk4—36 to 40 inches; loam
2C1—40 to 53 inches; fine sandy loam
2C2—53 to 56 inches; sandy loam
2C3—56 to 61 inches; loamy coarse sand

Dissimilar Minor Components

Lago soils

Composition: 10 percent
Landform: Flood plains

Cookcan soils

Composition: 5 percent
Landform: Flood plains

169—Redpine-Draney-Brushtop complex, 8 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 6,890 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 90 days

Map Unit Composition

Redpine and similar soils: 45 percent

Draney and similar soils: 25 percent

Brushtop and similar soils: 15 percent

Dissimilar minor components: 15 percent

Characteristics of Redpine Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: West

Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash

Slope range: 8 to 25 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; loam

AB—4 to 10 inches; loam

Bt1—10 to 16 inches; clay loam

Bt2—16 to 22 inches; clay loam

Bk—22 to 26 inches; paragravelly clay loam

2Cr—26 to 60 inches; bedrock

Characteristics of Draney Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: West
Aspect - range: South to northwest (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash derived from volcanic and sedimentary rock
Slope range: 10 to 30 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 3.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A—0 to 6 inches; gravelly loam
Bk1—6 to 12 inches; gravelly loam
Bk2—12 to 18 inches; paragravelly loam
2Cr—18 to 60 inches; bedrock

Characteristics of Brushtop Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: North
Aspect - range: Northwest to northeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium over moderately cemented volcanic ash
Slope range: 20 to 40 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 7.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 6 inches; loam
AB—6 to 12 inches; loam

Bt1—12 to 19 inches; loam
Bt2—19 to 26 inches; gravelly clay loam
Bt3—26 to 43 inches; gravelly clay loam
2Cr—43 to 60 inches; bedrock

Dissimilar Minor Components

Drage soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Ledgehollow soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Whitetop soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

170—Rexburg silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,920 to 6,140 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Dissimilar Minor Components

Niter soils

Composition: 10 percent

Landform: Fan remnants

Bancroft soils

Composition: 5 percent

Landform: Fan remnants

Kucera soils

Composition: 5 percent

Landform: Fan remnants

171—Rexburg-lphil complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,820 to 6,140 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 55 percent

lphil and similar soils: 25 percent

Dissimilar minor components: 20 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Iphil Soils

Setting

Landform: Fan remnants

Down-slope shape: Convex

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Dissimilar Minor Components

Arbone soils

Composition: 5 percent

Landform: Fan remnants

Bancroft soils

Composition: 5 percent

Landform: Fan remnants

Joes soils

Composition: 5 percent

Landform: Fan remnants

Niter soils

Composition: 5 percent

Landform: Fan remnants

172—Rexburg-lphil complex, 4 to 8 percent slopes

Map Unit Setting (fig. 14)

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,820 to 6,560 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 50 percent

lphil and similar soils: 25 percent

Dissimilar minor components: 25 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 4 to 8 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam
Bk1—25 to 31 inches; silt loam
Bk2—31 to 47 inches; silt loam
C—47 to 60 inches; silt loam

Characteristics of Iphil Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, convex
Across-slope shape: Convex, linear
Aspect - representative: Southeast
Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium
Slope range: 4 to 8 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 4.0
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam
Bw—5 to 13 inches; silt loam
Bk1—13 to 30 inches; silt loam
Bk2—30 to 45 inches; silt loam
Bk3—45 to 52 inches; silt loam
C—52 to 60 inches; silt loam

Dissimilar Minor Components

Bancroft soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Footslope

Joes soils

Composition: 5 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Kucera soils

Composition: 5 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Ririe soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

173—Rexburg-Kucera complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,910 to 7,200 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 65 percent

Kucera and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Kucera Soils

Setting

Landform: Fan remnants

Down-slope shape: Concave

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Dissimilar Minor Components

lphil soils

Composition: 10 percent

Landform: Fan remnants

174—Rexburg-Kucera complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,930 to 7,020 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 55 percent

Kucera and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: East

Aspect - range: Northeast to south (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Kucera Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, linear

Aspect - representative: Northwest

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Dissimilar Minor Components

Iphil soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Ririe soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

175—Rexburg-Kucera complex, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,920 to 7,150 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 60 percent

Kucera and similar soils: 35 percent

Dissimilar minor components: 5 percent

Characteristics of Rexburg Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Kucera Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.5 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 6 inches; silt loam

A2—6 to 16 inches; silt loam

AB—16 to 26 inches; silt loam

Bw—26 to 34 inches; silt loam

Bk1—34 to 44 inches; silt loam

Bk2—44 to 60 inches; silt loam

Dissimilar Minor Components

lphil soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

176—Rexburg-Ririe complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,840 to 6,240 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 55 percent

Ririe and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Ririe Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 14 inches; silt loam

Bk1—14 to 19 inches; silt loam

Bk2—19 to 33 inches; silt loam

Bk3—33 to 45 inches; silt loam

Bk4—45 to 60 inches; silt loam

Dissimilar Minor Components

Bancroft soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Toeslope

Iphil soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

177—Rexburg-Ririe complex, 4 to 8 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,880 to 7,210 feet

Mean annual precipitation: 14 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 50 percent

Ririe and similar soils: 25 percent

Dissimilar minor components: 25 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear
Across-slope shape: Convex, linear
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium
Slope range: 4 to 8 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 13 inches; silt loam
Bw—13 to 25 inches; silt loam
Bk1—25 to 31 inches; silt loam
Bk2—31 to 47 inches; silt loam
C—47 to 60 inches; silt loam

Characteristics of Ririe Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Linear, convex
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium
Slope range: 4 to 8 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 14 inches; silt loam
Bk1—14 to 19 inches; silt loam
Bk2—19 to 33 inches; silt loam
Bk3—33 to 45 inches; silt loam
Bk4—45 to 60 inches; silt loam

Dissimilar Minor Components

Iphil soils

Composition: 10 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope

Watercanyon soils

Composition: 10 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Brifox soils

Composition: 3 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 2 percent
Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

178—Rexburg-Ririe complex, 8 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,870 to 6,910 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 50 percent
Ririe and similar soils: 30 percent
Dissimilar minor components: 20 percent

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex, linear
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium
Slope range: 8 to 12 percent
Depth to restrictive feature: None within 60 inches

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Land capability subclass (irrigated): 6e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 13 inches; silt loam
Bw—13 to 25 inches; silt loam
Bk1—25 to 31 inches; silt loam
Bk2—31 to 47 inches; silt loam
C—47 to 60 inches; silt loam

Characteristics of Ririe Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium
Slope range: 8 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Land capability subclass (irrigated): 6e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 14 inches; silt loam
Bk1—14 to 19 inches; silt loam
Bk2—19 to 33 inches; silt loam
Bk3—33 to 45 inches; silt loam
Bk4—45 to 60 inches; silt loam

Dissimilar Minor Components

Iphil soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Wursten soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

179—Rexburg-Watercanyon complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,950 to 6,280 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 55 percent

Watercanyon and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Rexburg Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Southwest

Aspect - range: Southeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Watercanyon Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: Southeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 6.0

Available water capacity (entire profile): High (about 11.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Land capability subclass (irrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 4 inches; silt loam

Bw—4 to 11 inches; silt loam

Bk1—11 to 23 inches; silt loam

Bk2—23 to 32 inches; silt loam

C—32 to 60 inches; silt loam

Dissimilar Minor Components

lphil soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Wursten soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

180—Rexburg-Wursten complex, 2 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,850 to 6,060 feet

Mean annual precipitation: 14 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Rexburg and similar soils: 50 percent

Wursten and similar soils: 40 percent

Dissimilar minor components: 10 percent

Characteristics of Rexburg Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium

Slope range: 2 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Characteristics of Wursten Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium

Slope range: 2 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Arbone soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope, toeslope

181—Richollow-Dranburn complex, 5 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,190 to 7,490 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Richollow and similar soils: 70 percent

Dranburn and similar soils: 20 percent

Dissimilar minor components: 10 percent

Characteristics of Richollow Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Concave, convex

Across-slope shape: Concave, convex

Aspect - representative: Southeast

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite

Slope range: 5 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A—0 to 7 inches; very gravelly silt loam

Bk—7 to 13 inches; extremely cobbly silt loam

R—13 to 60 inches; bedrock

Characteristics of Dranburn Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 10 to 45 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material
A1—2 to 11 inches; silt loam
A2—11 to 17 inches; silt loam
Bt1—17 to 28 inches; silty clay loam
Bt2—28 to 38 inches; silty clay loam
BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

182—Richollow-Ledgehollow complex, 5 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 6,200 to 7,660 feet
Mean annual precipitation: 16 to 22 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 50 to 70 days

Map Unit Composition

Richollow and similar soils: 55 percent
Ledgehollow and similar soils: 30 percent
Dissimilar minor components: 15 percent

Characteristics of Richollow Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Shoulder, backslope, footslope
Down-slope shape: Convex, concave
Across-slope shape: Convex, concave
Aspect - representative: West
Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite
Slope range: 5 to 35 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): High
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A—0 to 7 inches; very gravelly silt loam
Bk—7 to 13 inches; extremely cobbly silt loam
R—13 to 60 inches; bedrock

Characteristics of Ledgehollow Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: West
Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash
Slope range: 5 to 20 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 2.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 4 inches; gravelly loam
Bt1—4 to 9 inches; gravelly loam
Bt2—9 to 15 inches; gravelly clay loam
2Cr—15 to 60 inches; bedrock

Dissimilar Minor Components

Brushtop soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Cadero soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, shoulder, summit

Hoopgobel soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

183—Ririe-lphil complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,900 to 5,990 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Ririe and similar soils: 40 percent

lphil and similar soils: 35 percent

Dissimilar minor components: 25 percent

Characteristics of Ririe Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 14 inches; silt loam

Bk1—14 to 19 inches; silt loam

Bk2—19 to 33 inches; silt loam

Bk3—33 to 45 inches; silt loam

Bk4—45 to 60 inches; silt loam

Characteristics of lphil Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced silty alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 4.0

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 5 inches; silt loam

Bw—5 to 13 inches; silt loam

Bk1—13 to 30 inches; silt loam

Bk2—30 to 45 inches; silt loam

Bk3—45 to 52 inches; silt loam

C—52 to 60 inches; silt loam

Dissimilar Minor Components

Kucera soils

Composition: 10 percent

Landform: Fan remnants

Watercanyon soils

Composition: 10 percent

Landform: Fan remnants

Wursten soils

Composition: 5 percent

Landform: Fan remnants

184—Sadducee-Bearbeach complex, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,930 to 5,980 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Sadducee and similar soils: 55 percent

Bearbeach and similar soils: 45 percent

Characteristics of Sadducee Soils

Setting

Landform: Lake terraces
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: East
Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Lacustrine deposits
Slope range: 0 to 2 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Very poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: At the soil surface to 10 inches (see Water Features table)
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w
Ecological site: MARSH CARO6 (R013XY055ID)

Typical profile

A—0 to 6 inches; loamy fine sand
Bg1—6 to 10 inches; gravelly loamy fine sand
Bg2—10 to 17 inches; silt loam
Bg3—17 to 25 inches; silt loam
Cg1—25 to 49 inches; silty clay loam
Cg2—49 to 60 inches; very fine sandy loam

Characteristics of Bearbeach Soils

Setting

Landform: Lake terraces
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: East
Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed sandy and gravelly alluvium
Slope range: 0 to 2 percent
Depth to restrictive feature: 6 to 33 inches to strongly contrasting textural stratification
Drainage class: Very poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: At the soil surface to 10 inches (see Water Features table)
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 3.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 5w

Ecological site: MARSH CARO6 (R013XY055ID)

Typical profile

Oa—0 to 3 inches; muck

Ag—3 to 6 inches; mucky sandy loam

Cg1—6 to 15 inches; very gravelly loamy coarse sand

Cg2—15 to 60 inches; extremely gravelly loamy coarse sand

**185—Sheep Creek-Taylow-Dry Canyon complex, dry,
5 to 60 percent slopes**

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,010 to 7,600 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Sheep Creek, dry and similar soils: 40 percent

Taylow, dry and similar soils: 25 percent

Dry Canyon, dry and similar soils: 20 percent

Dissimilar minor components: 15 percent

Characteristics of Sheep Creek, dry Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: East to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 60 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 5 inches; gravelly sandy loam
A2—5 to 11 inches; gravelly loam
Bt—11 to 21 inches; very gravelly clay loam
Btk—21 to 33 inches; extremely cobbly clay loam
Bk—33 to 38 inches; extremely cobbly loam
R—38 to 60 inches; bedrock

Characteristics of Taylow, dry Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and siltstone
Slope range: 15 to 60 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 6 inches; loam
Bw—6 to 13 inches; loam
R—13 to 60 inches; bedrock

Characteristics of Dry Canyon, dry Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex, concave
Aspect - representative: East
Aspect - range: Northeast to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone
Slope range: 5 to 45 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; loam

Bt1—3 to 10 inches; silt loam

Bt2—10 to 18 inches; silt loam

Bt3—18 to 25 inches; gravelly silty clay loam

Bt4—25 to 38 inches; gravelly clay loam

Bt5—38 to 48 inches; gravelly loam

BC—48 to 53 inches; loam

Cr—53 to 60 inches; bedrock

Dissimilar Minor Components

Tubbs Hollow soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Rock outcrop

Composition: 5 percent

186—Slights-Dranburn complex, 2 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,880 to 7,440 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Slights and similar soils: 65 percent

Dranburn and similar soils: 20 percent

Dissimilar minor components: 15 percent

Characteristics of Slights Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium over clayey slope alluvium and/or colluvium

Slope range: 2 to 35 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 5 inches; loam
AB—5 to 12 inches; loam
Bt1—12 to 20 inches; silty clay loam
Bt2—20 to 39 inches; silty clay
Bt3—39 to 60 inches; silty clay

Characteristics of Dranburn Soils

Setting

Landform: Mountain slopes, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Concave, convex
Aspect - representative: Northeast
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium
Slope range: 15 to 40 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material
A1—2 to 11 inches; silt loam
A2—11 to 17 inches; silt loam
Bt1—17 to 28 inches; silty clay loam
Bt2—28 to 38 inches; silty clay loam
BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Dranyon soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

187—Springhollow-Arbone complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,960 to 7,490 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Springhollow and similar soils: 45 percent

Arbone and similar soils: 40 percent

Dissimilar minor components: 15 percent

Characteristics of Springhollow Soils

Setting

Landform: Plateaus, ridges

Geomorphic position (two-dimensional): Summit

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Northwest

Aspect - range: South to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: 20 to 40 inches to indurated duripan

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): Low (about 5.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; gravelly silt loam

A2—3 to 11 inches; silt loam

Bk1—11 to 19 inches; silt loam

Bk2—19 to 29 inches; loam
Bkq—29 to 36 inches; gravelly loam
Bkqm—36 to 40 inches; cemented

Characteristics of Arbone Soils

Setting

Landform: Plateaus, ridges
Geomorphic position (two-dimensional): Shoulder
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: Northwest
Aspect - range: South to northeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 5 inches; silt loam
A2—5 to 9 inches; silt loam
Bw—9 to 18 inches; silt loam
Bk—18 to 34 inches; silt loam
BCk—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Cedarhill soils

Composition: 5 percent
Landform: Plateaus, ridges
Geomorphic position (two-dimensional): Shoulder

Ririe soils

Composition: 5 percent
Landform: Plateaus, ridges
Geomorphic position (two-dimensional): Shoulder

Watercanyon soils

Composition: 5 percent
Landform: Plateaus, ridges
Geomorphic position (two-dimensional): Shoulder

188—Springhollow-Arbone complex, dry, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,530 to 7,400 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Springhollow, dry and similar soils: 45 percent

Arbone, dry and similar soils: 40 percent

Dissimilar minor components: 15 percent

Characteristics of Springhollow, dry Soils

Setting

Landform: Plateaus, ridges

Geomorphic position (two-dimensional): Summit

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: 20 to 40 inches to indurated duripan

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): Low (about 5.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 3 inches; gravelly silt loam

A2—3 to 11 inches; silt loam

Bk1—11 to 19 inches; silt loam

Bk2—19 to 29 inches; loam

Bkq—29 to 36 inches; gravelly loam

Bkqm—36 to 40 inches; cemented

Characteristics of Arbone, dry Soils

Setting

Landform: Plateaus, ridges

Geomorphic position (two-dimensional): Shoulder

Down-slope shape: Linear

Across-slope shape: Convex
Aspect - representative: North
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed slope alluvium derived from limestone
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 5 inches; silt loam
A2—5 to 9 inches; silt loam
Bw—9 to 18 inches; silt loam
Bk—18 to 34 inches; silt loam
BCk—34 to 60 inches; gravelly silt loam

Dissimilar Minor Components

Cedarhill, dry soils

Composition: 5 percent
Landform: Plateaus, ridges
Geomorphic position (two-dimensional): Shoulder

Ririe, dry soils

Composition: 5 percent
Landform: Ridges, plateaus
Geomorphic position (two-dimensional): Shoulder

Watercanyon, dry soils

Composition: 5 percent
Landform: Ridges, plateaus
Geomorphic position (two-dimensional): Shoulder

189—Sprollo-Lonjon complex, 30 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,880 to 6,860 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Sprollo and similar soils: 55 percent
Lonjon and similar soils: 25 percent
Dissimilar minor components: 20 percent

Characteristics of Sprollo Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: North
Aspect - range: All aspects

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone
Slope range: 30 to 60 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 2 inches; gravelly loam
Bw—2 to 7 inches; gravelly loam
Bk1—7 to 16 inches; very gravelly loam
Bk2—16 to 24 inches; very gravelly sandy loam
Bk3—24 to 34 inches; extremely gravelly sandy loam
R—34 to 60 inches; bedrock

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: North
Aspect - range: All aspects

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone
Slope range: 30 to 60 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e
Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam
Bw—3 to 12 inches; very gravelly loam
Bk—12 to 26 inches; very gravelly loam
R—26 to 60 inches; bedrock

Dissimilar Minor Components

Arbone, dry soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 10 percent

190—Sprollo, dry-Lonjon complex, 30 to 60 percent slopes

Map Unit Setting (fig. 14)

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,940 to 7,740 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 65 to 85 days

Map Unit Composition

Sprollo, dry and similar soils: 55 percent
Lonjon and similar soils: 25 percent
Dissimilar minor components: 20 percent

Characteristics of Sprollo, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: West
Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone
Slope range: 30 to 60 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: West

Aspect - range: South to north (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone

Slope range: 30 to 60 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Dissimilar Minor Components

Mumford soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 10 percent

191—Sprollo-Lonjon-Mumford complex, 15 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 7,090 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Sprollo and similar soils: 35 percent

Lonjon and similar soils: 30 percent

Mumford and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Sprollo Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone

Slope range: 15 to 30 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone

Slope range: 15 to 30 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Mumford Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 15 to 30 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam

Bk1—3 to 6 inches; very gravelly silt loam

Bk2—6 to 12 inches; very gravelly silt loam

Bk3—12 to 17 inches; extremely gravelly loam

R—17 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

192—Sprollo, dry-Lonjon-Mumford complex, 15 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,080 to 7,430 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Sprollo, dry and similar soils: 35 percent

Lonjon and similar soils: 30 percent

Mumford and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Sprollo, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed colluvium over residuum weathered from limestone

Slope range: 15 to 30 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 2 inches; gravelly loam

Bw—2 to 7 inches; gravelly loam

Bk1—7 to 16 inches; very gravelly loam

Bk2—16 to 24 inches; very gravelly sandy loam

Bk3—24 to 34 inches; extremely gravelly sandy loam

R—34 to 60 inches; bedrock

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: All aspects

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from limestone

Slope range: 15 to 30 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Characteristics of Mumford Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced gravelly colluvium over residuum weathered from limestone

Slope range: 15 to 30 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 1.7 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARARL/PSSPS (R013XY042ID)

Typical profile

A—0 to 3 inches; very gravelly silt loam
Bk1—3 to 6 inches; very gravelly silt loam
Bk2—6 to 12 inches; very gravelly silt loam
Bk3—12 to 17 inches; extremely gravelly loam
R—17 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

193—Sprollo-Wursten-Lonjon complex, 5 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 5,900 to 6,900 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Sprollo and similar soils: 40 percent
Wursten and similar soils: 25 percent
Lonjon and similar soils: 15 percent
Dissimilar minor components: 20 percent

Characteristics of Sprollo Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium over residuum weathered from limestone
Slope range: 5 to 25 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Very low (about 2.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID)

Typical profile

A—0 to 2 inches; gravelly loam
Bw—2 to 7 inches; gravelly loam
Bk1—7 to 16 inches; very gravelly loam
Bk2—16 to 24 inches; very gravelly sandy loam
Bk3—24 to 34 inches; extremely gravelly sandy loam
R—34 to 60 inches; bedrock

Characteristics of Wursten Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium
Slope range: 5 to 25 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Characteristics of Lonjon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Gravelly slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 5 to 25 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Very low (about 2.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID)

Typical profile

A—0 to 3 inches; very gravelly loam

Bw—3 to 12 inches; very gravelly loam

Bk—12 to 26 inches; very gravelly loam

R—26 to 60 inches; bedrock

Dissimilar Minor Components

Pinegap soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 10 percent

194—Streek-Cleavage complex, 2 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,550 to 7,010 feet

Mean annual precipitation: 20 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Streek and similar soils: 50 percent

Cleavage and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Streek Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium over clayey slope alluvium and/or colluvium

Slope range: 2 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: CLAY SEEP 12-16 WYAM (R025XY033ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 11 inches; silt loam

AB—11 to 16 inches; silty clay loam

2Btss—16 to 45 inches; silty clay

2Btkss—45 to 60 inches; silty clay

Characteristics of Cleavage Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from igneous and sedimentary rock

Slope range: 15 to 30 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A1—0 to 2 inches; loam

A2—2 to 6 inches; loam

Bt1—6 to 9 inches; very gravelly clay loam

Bt2—9 to 14 inches; very gravelly clay loam

R—14 to 60 inches; bedrock

Dissimilar Minor Components

Vitale soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Rock outcrop

Composition: 5 percent

195—Streek, moist-Streek-Swanpeak complex, 2 to 15 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,100 to 7,030 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Streek, moist and similar soils: 40 percent

Streek and similar soils: 25 percent

Swanpeak and similar soils: 25 percent

Dissimilar minor components: 10 percent

Characteristics of Streek, moist Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium over clayey alluvium and/or slope alluvium

Slope range: 2 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 10.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

A1—0 to 5 inches; silt loam
A2—5 to 11 inches; silt loam
AB—11 to 16 inches; silty clay loam
2Btss—16 to 45 inches; silty clay
2Btkss—45 to 60 inches; silty clay

Characteristics of Streek Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Linear, convex
Aspect - representative: Northeast
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium over clayey alluvium and/or slope alluvium
Slope range: 2 to 15 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 10.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Ecological site: CLAY SEEP 12-16 WYAM (R025XY033ID)

Typical profile

A1—0 to 5 inches; silt loam
A2—5 to 11 inches; silt loam
AB—11 to 16 inches; silty clay loam
2Btss—16 to 45 inches; silty clay
2Btkss—45 to 60 inches; silty clay

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Concave, linear
Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced clayey alluvium and/or slope alluvium

Slope range: 2 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam

A2—6 to 15 inches; silty clay loam

AB—15 to 18 inches; cobbly silty clay loam

Bt1—18 to 24 inches; very cobbly clay

Bt2—24 to 35 inches; very cobbly clay

Bt3—35 to 60 inches; extremely cobbly clay

Dissimilar Minor Components

Cloudless soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Frenchhollow soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

196—Streek-Swanpeak complex, 2 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,930 to 7,180 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Streek and similar soils: 45 percent

Swanpeak and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Streek Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium over clayey alluvium and/or slope alluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: CLAY SEEP 12-16 WYAM (R025XY033ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 11 inches; silt loam

AB—11 to 16 inches; silty clay loam

2Btss—16 to 45 inches; silty clay

2Btkss—45 to 60 inches; silty clay

Characteristics of Swanpeak Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, linear

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Loess influenced clayey alluvium and/or slope alluvium

Slope range: 2 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam

A2—6 to 15 inches; silty clay loam

AB—15 to 18 inches; cobbly silty clay loam

Bt1—18 to 24 inches; very cobbly clay

Bt2—24 to 35 inches; very cobbly clay

Bt3—35 to 60 inches; extremely cobbly clay

Dissimilar Minor Components

Cloudless soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Frenchhollow soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

197—Streek-Swanpeak-Sagollow complex, 2 to 15 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,040 to 6,670 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Streek and similar soils: 35 percent

Swanpeak and similar soils: 35 percent

Sagollow and similar soils: 25 percent

Dissimilar minor components: 5 percent

Characteristics of Streek Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Linear, convex

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium over clayey alluvium and/or slope alluvium

Slope range: 2 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: CLAY SEEP 12-16 WYAM (R025XY033ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 11 inches; silt loam

AB—11 to 16 inches; silty clay loam

2Btss—16 to 45 inches; silty clay

2Btkss—45 to 60 inches; silty clay

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced clayey alluvium and/or slope alluvium

Slope range: 2 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam

A2—6 to 15 inches; silty clay loam

AB—15 to 18 inches; cobbly silty clay loam

Bt1—18 to 24 inches; very cobbly clay

Bt2—24 to 35 inches; very cobbly clay

Bt3—35 to 60 inches; extremely cobbly clay

Characteristics of Sagollow Soils

Setting

Landform: Fan remnants

Down-slope shape: Concave

Across-slope shape: Linear
Aspect - representative: East
Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Mixed alluvium
Slope range: 2 to 10 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: About 20 to 40 inches (see Water Features table)
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Ecological site: STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID)

Typical profile

A—0 to 4 inches; silt loam
A/B—4 to 12 inches; silt loam
Bt1—12 to 22 inches; cobbly silty clay loam
Bt2—22 to 26 inches; very cobbly silty clay loam
Bt3—26 to 45 inches; extremely cobbly clay loam
Bt4—45 to 60 inches; extremely cobbly clay loam

Dissimilar Minor Components

Nythar soils

Composition: 5 percent
Landform: Flood plains

198—Suryon loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,200 to 6,930 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 65 to 80 days

Map Unit Composition

Suryon and similar soils: 90 percent
Dissimilar minor components: 10 percent

Characteristics of Suryon Soils

Setting

Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Linear, convex

Aspect - representative: Northeast

Aspect - range: North to southwest (clockwise)

Properties and qualities

Parent material: Alluvium and/or slope alluvium derived from sandstone

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID)

Typical profile

A1—0 to 4 inches; loam

A2—4 to 10 inches; loam

Bw1—10 to 17 inches; loam

Bw2—17 to 29 inches; loam

Bw3—29 to 38 inches; loam

C1—38 to 49 inches; loam

C2—49 to 60 inches; gravelly loam

Dissimilar Minor Components

Prucree soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

199—Swan Flat-Dranburn complex, 10 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,960 to 7,150 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Swan Flat and similar soils: 65 percent

Dranburn and similar soils: 20 percent

Dissimilar minor components: 15 percent

Characteristics of Swan Flat Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced colluvium derived from limestone

Slope range: 10 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 7.4 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A1—0 to 5 inches; silt loam

A2—5 to 9 inches; silt loam

Bk1—9 to 15 inches; channery silt loam

Bk2—15 to 30 inches; very channery silt loam

Bk3—30 to 56 inches; very channery silt loam

Bk4—56 to 60 inches; very channery silt loam

Characteristics of Dranburn Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Aspect - representative: North

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed colluvium

Slope range: 20 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 11.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

Oe—0 to 2 inches; moderately decomposed plant material

A1—2 to 11 inches; silt loam

A2—11 to 17 inches; silt loam

Bt1—17 to 28 inches; silty clay loam

Bt2—28 to 38 inches; silty clay loam

BC—38 to 60 inches; silt loam

Dissimilar Minor Components

Hagenbarth soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Richollow soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Rock outcrop

Composition: 5 percent

200—Swanpeak cobbly loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,080 to 6,740 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Swanpeak and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Swanpeak Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Loess influenced clayey slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam

A2—6 to 15 inches; silty clay loam

AB—15 to 18 inches; cobbly silty clay loam

Bt1—18 to 24 inches; very cobbly clay

Bt2—24 to 35 inches; very cobbly clay

Bt3—35 to 60 inches; extremely cobbly clay

Dissimilar Minor Components

Ant Flat soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, footslope, toeslope

Dutchcanyon soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

201—Swanpeak-Ant Flat complex, 1 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,000 to 7,050 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Swanpeak and similar soils: 60 percent

Ant Flat and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope, toeslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced clayey slope alluvium and/or colluvium

Slope range: 1 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam
A2—6 to 15 inches; silty clay loam
AB—15 to 18 inches; cobbly silty clay loam
Bt1—18 to 24 inches; very cobbly clay
Bt2—24 to 35 inches; very cobbly clay
Bt3—35 to 60 inches; extremely cobbly clay

Characteristics of Ant Flat Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, footslope, toeslope
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium
Slope range: 1 to 20 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silty clay loam
A2—2 to 5 inches; gravelly silty clay loam
BA1—5 to 9 inches; gravelly silty clay loam
Bt—9 to 25 inches; gravelly clay
Btk1—25 to 38 inches; gravelly clay
Btk2—38 to 60 inches; gravelly clay loam

Dissimilar Minor Components

Broadhead soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Footslope, toeslope

Cloudless soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Footslope, toeslope

Dutchcanyon soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

202—Swanpeak-Cloudless complex, 1 to 15 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,040 to 6,880 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Swanpeak and similar soils: 50 percent

Cloudless and similar soils: 30 percent

Dissimilar minor components: 20 percent

Characteristics of Swanpeak Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope, toeslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: East

Aspect - range: Northwest to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced clayey slope alluvium

Slope range: 1 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

- A1—0 to 6 inches; cobbly loam
- A2—6 to 15 inches; silty clay loam
- AB—15 to 18 inches; cobbly silty clay loam
- Bt1—18 to 24 inches; very cobbly clay
- Bt2—24 to 35 inches; very cobbly clay
- Bt3—35 to 60 inches; extremely cobbly clay

Characteristics of Cloudless Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Footslope, toeslope

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

Aspect - representative: East

Aspect - range: Northwest to southwest (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium derived from sedimentary rock

Slope range: 2 to 15 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

- A1—0 to 4 inches; silt loam
- A2—4 to 8 inches; silt loam
- Bt1—8 to 14 inches; silt loam
- Bt2—14 to 32 inches; silty clay loam
- Bt3—32 to 60 inches; gravelly silty clay loam

Dissimilar Minor Components

Drage soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Streek soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope, toeslope

203—Swanpeak-Dutchcanyon complex, 20 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,040 to 6,880 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Swanpeak and similar soils: 70 percent

Dutchcanyon and similar soils: 20 percent

Dissimilar minor components: 10 percent

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced clayey colluvium

Slope range: 20 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam

A2—6 to 15 inches; silty clay loam

AB—15 to 18 inches; cobbly silty clay loam

Bt1—18 to 24 inches; very cobbly clay

Bt2—24 to 35 inches; very cobbly clay

Bt3—35 to 60 inches; extremely cobbly clay

Characteristics of Dutchcanyon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed colluvium
Slope range: 20 to 35 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; gravelly silt loam
AB—7 to 13 inches; silt loam
Bk—13 to 27 inches; loam
C—27 to 61 inches; loam

Dissimilar Minor Components

Ant Flat soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

Clegg soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

204—Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains
Elevation: 5,930 to 6,830 feet
Mean annual precipitation: 14 to 20 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 65 to 90 days

Map Unit Composition

Swanpeak and similar soils: 45 percent
Dutchcanyon and similar soils: 30 percent
Ant Flat and similar soils: 25 percent

Characteristics of Swanpeak Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Loess influenced clayey colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 5.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A1—0 to 6 inches; cobbly loam

A2—6 to 15 inches; silty clay loam

AB—15 to 18 inches; cobbly silty clay loam

Bt1—18 to 24 inches; very cobbly clay

Bt2—24 to 35 inches; very cobbly clay

Bt3—35 to 60 inches; extremely cobbly clay

Characteristics of Dutchcanyon Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Mixed colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; gravelly silt loam

AB—7 to 13 inches; silt loam

Bk—13 to 27 inches; loam

C—27 to 61 inches; loam

Characteristics of Ant Flat Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: North to south (clockwise)

Properties and qualities

Parent material: Loess influenced mixed colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 5 inches; gravelly silty clay loam

BAt—5 to 9 inches; gravelly silty clay loam

Bt—9 to 25 inches; gravelly clay

Btk1—25 to 38 inches; gravelly clay

Btk2—38 to 60 inches; gravelly clay loam

205—Thatcher silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,920 to 6,600 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thatcher and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Thatcher Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Southwest

Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 10 inches; silt loam

Bt1—10 to 19 inches; silty clay loam

Bt2—19 to 28 inches; silty clay loam

Bk1—28 to 42 inches; silty clay loam

Bk2—42 to 60 inches; silt loam

Dissimilar Minor Components

Bezzant soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Buist soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Vicking soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

206—Thatcher silt loam, dry, 1 to 10 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,010 to 6,930 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thatcher, dry and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Thatcher, dry Soils

Setting

Landform: Plateaus

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 1 to 10 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 10 inches; silt loam

Bt1—10 to 19 inches; silty clay loam

Bt2—19 to 28 inches; silty clay loam

Bk1—28 to 42 inches; silty clay loam

Bk2—42 to 60 inches; silt loam

Dissimilar Minor Components

Bezzant, dry soils

Composition: 5 percent

Landform: Plateaus

Geomorphic position (two-dimensional): Footslope

Buist, dry soils

Composition: 5 percent

Landform: Plateaus

Geomorphic position (two-dimensional): Footslope

Vicking, dry soils

Composition: 5 percent

Landform: Plateaus

Geomorphic position (two-dimensional): Footslope

207—Thatcher-Church Springs complex, 5 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,960 to 7,210 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thatcher and similar soils: 50 percent

Church Springs and similar soils: 40 percent

Dissimilar minor components: 10 percent

Characteristics of Thatcher Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Linear, convex

Aspect - representative: Southwest

Aspect - range: Southeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 5 to 30 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 10 inches; silt loam

Bt1—10 to 19 inches; silty clay loam

Bt2—19 to 28 inches; silty clay loam

Bk1—28 to 42 inches; silty clay loam

Bk2—42 to 60 inches; silt loam

Characteristics of Church Springs Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: Southeast to west (clockwise)

Properties and qualities

Parent material: Loess influenced mixed silty slope alluvium and/or colluvium

Slope range: 5 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 0.2 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 1.0

Available water capacity (entire profile): High (about 11.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRT/PSSPS (R013XY032ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 11 inches; silt loam

Btk1—11 to 21 inches; silty clay loam

Btk2—21 to 30 inches; silty clay loam

Bk—30 to 60 inches; silt loam

Dissimilar Minor Components

Clegg soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Drage soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

208—Thatcher-Clegg complex, 4 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,070 to 7,200 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thatcher and similar soils: 80 percent

Clegg and similar soils: 20 percent

Characteristics of Thatcher Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southeast

Aspect - range: Northeast to southwest (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 4 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 10 inches; silt loam

Bt1—10 to 19 inches; silty clay loam

Bt2—19 to 28 inches; silty clay loam

Bk1—28 to 42 inches; silty clay loam

Bk2—42 to 60 inches; silt loam

Characteristics of Clegg Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 4 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.9 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt1—8 to 22 inches; silty clay loam

Bt2—22 to 28 inches; silty clay loam

Btk—28 to 32 inches; gravelly clay loam

Bk—32 to 60 inches; gravelly loam

209—Thatcher-Joes complex, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,920 to 6,340 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thatcher and similar soils: 60 percent

Joes and similar soils: 25 percent

Dissimilar minor components: 15 percent

Characteristics of Thatcher Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 10 inches; silt loam
Bt1—10 to 19 inches; silty clay loam
Bt2—19 to 28 inches; silty clay loam
Bk1—28 to 42 inches; silty clay loam
Bk2—42 to 60 inches; silt loam

Characteristics of Joes Soils

Setting

Landform: Fan remnants
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium
Slope range: 1 to 4 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 3.0
Available water capacity (entire profile): High (about 11.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c
Land capability subclass (irrigated): 3c
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 12 inches; silty clay loam
Bk1—12 to 20 inches; silty clay loam
Bk2—20 to 50 inches; silt loam
C—50 to 60 inches; silt loam

Dissimilar Minor Components

Niter soils

Composition: 10 percent
Landform: Fan remnants

lphil soils

Composition: 5 percent
Landform: Fan remnants

210—Thatcherflats silt loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus
Elevation: 5,930 to 6,190 feet
Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thatcherflats and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Thatcherflats Soils

Setting

Landform: Stream terraces

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: 2 to 7 inches to natric

Drainage class: Moderately well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: About 40 to 60 inches (see Water Features table)

Salinity maximum: Slightly saline (about 6.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 85.0

Available water capacity (entire profile): High (about 10.6 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6s

Ecological site: SALINE SEMIWET MEADOW DISP (R013XY052ID)

Typical profile

A1—0 to 2 inches; silt loam

A2—2 to 5 inches; silt loam

B_{tn}—5 to 9 inches; silty clay

B_{tkn1}—9 to 11 inches; silt loam

B_{tkn2}—11 to 25 inches; silt loam

B_{kn1}—25 to 45 inches; silt loam

B_{kn2}—45 to 56 inches; silt loam

B_{kn3}—56 to 60 inches; silt loam

Dissimilar Minor Components

Chesbrook soils

Composition: 10 percent

Landform: Flood plains

Lago soils

Composition: 10 percent

Landform: Flood plains

Bear Lake soils

Composition: 5 percent

Landform: Flood plains

211—Thomasfork silty clay loam, 0 to 2 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,840 to 6,390 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Thomasfork and similar soils: 95 percent

Dissimilar minor components: 5 percent

Characteristics of Thomasfork Soils

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Mixed fine textured alluvium

Slope range: 0 to 2 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: Rare (see Water Features table)

Ponding frequency: None

Seasonal high water table minimum depth: About 10 to 20 inches (see Water Features table)

Salinity maximum: Not saline

Sodicity maximum: Sodium adsorption ratio is about 3.0

Available water capacity (entire profile): High (about 11.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4w

Land capability subclass (irrigated): 4w

Ecological site: DRY MEADOW PONE-PHAL2 (R013XY039ID)

Typical profile

A1—0 to 2 inches; silty clay loam

A2—2 to 10 inches; silty clay loam

AB—10 to 16 inches; silty clay loam

Bg1—16 to 21 inches; silty clay loam

Bg2—21 to 28 inches; silty clay loam

2Agb—28 to 35 inches; silty clay loam

2Btgb—35 to 48 inches; silty clay

3C—48 to 60 inches; very fine sandy loam

Dissimilar Minor Components

Bear Lake soils

Composition: 5 percent

Landform: Flood plains

212—Toponce-Bailcreek complex, 5 to 40 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,270 to 7,090 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Map Unit Composition

Toponce and similar soils: 50 percent

Bailcreek and similar soils: 40 percent

Dissimilar minor components: 10 percent

Characteristics of Toponce Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Clayey slope alluvium and/or colluvium derived from metasedimentary rock and/or sedimentary rock

Slope range: 5 to 40 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.3 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: MOIST MOUNTAIN LOAM 20+ POTR5 (R013XY016ID)

Typical profile

A—0 to 3 inches; silt loam

Bt1—3 to 20 inches; silty clay

Bt2—20 to 24 inches; silty clay

Bt3—24 to 36 inches; clay

Bt4—36 to 60 inches; clay

Characteristics of Bailcreek Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to east (clockwise)

Properties and qualities

Parent material: Mixed clayey slope alluvium and/or colluvium

Slope range: 5 to 40 percent

Depth to restrictive feature: 7 to 19 inches to abrupt textural change

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Low

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 7.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: MOUNTAIN LOAMY 22+ PSMEG/SYOR2 (R013XY017ID)

Typical profile

Oi—0 to 1 inches; slightly decomposed plant material

A1—1 to 6 inches; stony loam

A2—6 to 14 inches; very cobbly loam

Bt—14 to 19 inches; very cobbly silty clay

Btss1—19 to 32 inches; very cobbly clay

Btss2—32 to 43 inches; very cobbly clay

Btk—43 to 60 inches; very cobbly clay

Dissimilar Minor Components

Slights soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

213—Tubbs Hollow-Dry Canyon, dry complex, 5 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,870 to 7,850 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 85 days

Map Unit Composition

Tubbs Hollow and similar soils: 50 percent

Dry Canyon, dry and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Tubbs Hollow Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope

Soil Survey of Bear Lake County Area, Idaho

Down-slope shape: Linear, convex
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone
Slope range: 5 to 35 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): High
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Very low (about 2.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID)

Typical profile

A—0 to 3 inches; gravelly loam
Bw1—3 to 12 inches; gravelly loam
Bw2—12 to 25 inches; extremely cobbly loam
R—25 to 60 inches; bedrock

Characteristics of Dry Canyon, dry Soils

Setting

Landform: Hillslopes, mountain slopes
Geomorphic position (two-dimensional): Summit, shoulder, backslope, footslope
Down-slope shape: Linear, convex
Across-slope shape: Convex, linear
Aspect - representative: East
Aspect - range: Northeast to southeast (clockwise)

Properties and qualities

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone
Slope range: 5 to 35 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Moderate (about 8.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 3 inches; loam
Bt1—3 to 10 inches; silt loam
Bt2—10 to 18 inches; silt loam
Bt3—18 to 25 inches; gravelly silty clay loam
Bt4—25 to 38 inches; gravelly clay loam
Bt5—38 to 48 inches; gravelly loam
BC—48 to 53 inches; loam
Cr—53 to 60 inches; bedrock

Dissimilar Minor Components

Rock outcrop

Composition: 10 percent

Sheep Creek, dry soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

214—Vicking silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,910 to 6,300 feet

Mean annual precipitation: 14 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Vicking and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Vicking Soils

Setting

Landform: Fan remnants

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt—8 to 18 inches; gravelly silty clay loam

Btk—18 to 31 inches; silty clay loam

Bk1—31 to 43 inches; silt loam

Bk2—43 to 60 inches; silt loam

Dissimilar Minor Components

Benning soils

Composition: 10 percent

Landform: Fan remnants

Niter soils

Composition: 5 percent

Landform: Fan remnants

215—Vicking silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,970 to 6,820 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Vicking and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Vicking Soils

Setting

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt—8 to 18 inches; gravelly silty clay loam

Btk—18 to 31 inches; silty clay loam

Bk1—31 to 43 inches; silt loam

Bk2—43 to 60 inches; silt loam

Dissimilar Minor Components

Niter soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Wursten soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

216—Vicking silt loam, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 5,990 to 6,840 feet

Mean annual precipitation: 14 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Vicking and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Vicking Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: West

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam
Bt—8 to 18 inches; gravelly silty clay loam
Btk—18 to 31 inches; silty clay loam
Bk1—31 to 43 inches; silt loam
Bk2—43 to 60 inches; silt loam

Dissimilar Minor Components

Cedarhill soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

Niter soils

Composition: 5 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope

217—Vicking silt loam, dry, 2 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,680 to 7,230 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Map Unit Composition

Vicking, dry and similar soils: 85 percent
Dissimilar minor components: 15 percent

Characteristics of Vicking, dry Soils

Setting

Landform: Plateaus
Down-slope shape: Linear
Across-slope shape: Linear
Aspect - representative: Northeast
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium
Slope range: 2 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 8 inches; silt loam

Bt—8 to 18 inches; gravelly silty clay loam

Btk—18 to 31 inches; silty clay loam

Bk1—31 to 43 inches; silt loam

Bk2—43 to 60 inches; silt loam

Dissimilar Minor Components

Benning, dry soils

Composition: 10 percent

Landform: Plateaus

Lanoak, dry soils

Composition: 5 percent

Landform: Plateaus

218—Vicking silt loam, dry, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,370 to 7,040 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Vicking, dry and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Vicking, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 8 inches; silt loam

Bt—8 to 18 inches; gravelly silty clay loam

Btk—18 to 31 inches; silty clay loam

Bk1—31 to 43 inches; silt loam

Bk2—43 to 60 inches; silt loam

Dissimilar Minor Components

Wursten, dry soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Lanoak, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

219—Vicking-Cokeville complex, 15 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,270 to 7,490 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Vicking and similar soils: 55 percent

Cokeville and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Vicking Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed colluvium

Slope range: 15 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 9.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 8 inches; silt loam

Bt—8 to 18 inches; gravelly silty clay loam

Btk—18 to 31 inches; silty clay loam

Bk1—31 to 43 inches; silt loam

Bk2—43 to 60 inches; silt loam

Characteristics of Cokeville Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave

Across-slope shape: Linear

Aspect - range: All aspects

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone and/or conglomerate

Slope range: 15 to 35 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 7.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID)

Typical profile

A—0 to 2 inches; gravelly loam

BA—2 to 5 inches; gravelly silt loam

Bt—5 to 9 inches; gravelly clay loam

Btk1—9 to 15 inches; gravelly loam

Btk2—15 to 31 inches; gravelly silt loam

Btk3—31 to 43 inches; gravelly silty clay loam

2Bk—43 to 56 inches; silty clay loam

2Cr—56 to 60 inches; bedrock

Dissimilar Minor Components

Jebo soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

220—Vipont-Dipcreek complex, 20 to 55 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,920 to 7,180 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Vipont and similar soils: 55 percent

Dipcreek and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Vipont Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from metasedimentary rock and/or sandstone

Slope range: 20 to 55 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; very stony loam

Bt1—4 to 7 inches; cobbly clay loam

Bt2—7 to 14 inches; very cobbly sandy clay loam

Bt3—14 to 21 inches; extremely cobbly sandy clay loam

R—21 to 60 inches; bedrock

Characteristics of Dipcreek Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Concave

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone

Slope range: 20 to 55 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 1.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; gravelly loam

BA—4 to 9 inches; very cobbly loam

Bw—9 to 18 inches; extremely cobbly loam

R—18 to 60 inches; bedrock

Dissimilar Minor Components

Prucree soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope

Rock outcrop

Composition: 5 percent

221—Vipont-Prucree complex, 15 to 30 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,260 to 7,100 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Vipont and similar soils: 50 percent

Prucree and similar soils: 35 percent

Dissimilar minor components: 15 percent

Characteristics of Vipont Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Colluvium over residuum weathered from metasedimentary rock and/or sandstone

Slope range: 15 to 30 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; very stony loam

Bt1—4 to 7 inches; cobbly clay loam

Bt2—7 to 14 inches; very cobbly sandy clay loam

Bt3—14 to 21 inches; extremely cobbly sandy clay loam

R—21 to 60 inches; bedrock

Characteristics of Prucree Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - range: All aspects

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone

Slope range: 15 to 30 percent

Depth to restrictive feature: 20 to 35 inches to paralithic bedrock; 21 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 3.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 16-22 ARTRV/FEID-PSSPS (R013XY005ID)

Typical profile

A—0 to 2 inches; sandy loam

BA—2 to 10 inches; sandy loam

Bw1—10 to 19 inches; sandy loam

Bw2—19 to 28 inches; sandy loam

Cr—28 to 29 inches; bedrock

R—29 to 60 inches; bedrock

Dissimilar Minor Components

Dipcreek soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

Rock outcrop

Composition: 5 percent

Suryon soils

Composition: 5 percent

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

222—Vipont-Suryon complex, 15 to 50 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,240 to 7,170 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Map Unit Composition

Vipont and similar soils: 55 percent

Suryon and similar soils: 35 percent

Dissimilar minor components: 10 percent

Characteristics of Vipont Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope

Down-slope shape: Convex

Across-slope shape: Convex

Aspect - representative: Northeast

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from metasedimentary rock and/or sandstone

Slope range: 15 to 50 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Very low (about 2.5 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID)

Typical profile

A—0 to 4 inches; very stony loam

Bt1—4 to 7 inches; cobbly clay loam

Bt2—7 to 14 inches; very cobbly sandy clay loam

Bt3—14 to 21 inches; extremely cobbly sandy clay loam

R—21 to 60 inches; bedrock

Characteristics of Suryon Soils

Setting

Landform: Mountain slopes

Geomorphic position (two-dimensional): Backslope

Down-slope shape: Concave

Across-slope shape: Concave

Aspect - representative: Northeast

Aspect - range: Northwest to south (clockwise)

Properties and qualities

Parent material: Colluvium derived from sandstone

Slope range: 15 to 50 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Moderate (about 8.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID)

Typical profile

A1—0 to 4 inches; loam

A2—4 to 10 inches; loam

Bw1—10 to 17 inches; loam

Bw2—17 to 29 inches; loam

Bw3—29 to 38 inches; loam

C1—38 to 49 inches; loam

C2—49 to 60 inches; gravelly loam

Dissimilar Minor Components

Dipcreek soils

Composition: 10 percent

Landform: Mountain slopes

Geomorphic position (two-dimensional): Summit, shoulder, backslope

223—Warshod-Slan complex, 15 to 60 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,200 to 7,550 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 90 days

Map Unit Composition

Warshod and similar soils: 45 percent

Slan and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Warshod Soils

Setting

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Linear, concave

Across-slope shape: Convex, concave

Aspect - representative: North

Aspect - range: West to east (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from sandstone

Slope range: 15 to 60 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID)

Typical profile

A1—0 to 3 inches; gravelly loam

A2—3 to 9 inches; gravelly loam

A3—9 to 18 inches; very gravelly loam

Bw—18 to 37 inches; very gravelly very fine sandy loam

BC—37 to 46 inches; very gravelly fine sandy loam

Cr—46 to 60 inches; bedrock

Characteristics of Slan Soils

Setting

Landform: Mountain slopes, hillslopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Aspect - representative: South

Aspect - range: East to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone

Slope range: 20 to 60 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 7e

Ecological site: GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID)

Typical profile

A—0 to 2 inches; very gravelly loam

BA—2 to 5 inches; gravelly fine sandy loam

Bt—5 to 18 inches; gravelly loam

Bk—18 to 25 inches; gravelly loam

BC—25 to 32 inches; fine sandy loam

Cr—32 to 60 inches; bedrock

Dissimilar Minor Components

Cokeville soils

Composition: 10 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

Cutoff soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Shoulder, backslope, footslope

Vicking soils

Composition: 5 percent

Landform: Hillslopes, mountain slopes

Geomorphic position (two-dimensional): Backslope, footslope

224—Warshod-Slan complex, dry, 10 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 6,270 to 7,190 feet

Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 65 to 90 days

Map Unit Composition

Warshod, dry and similar soils: 55 percent
Slan, dry and similar soils: 35 percent
Dissimilar minor components: 10 percent

Characteristics of Warshod, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: North
Aspect - range: West to northeast (clockwise)

Properties and qualities

Parent material: Gravelly colluvium over residuum weathered from sandstone
Slope range: 10 to 35 percent
Depth to restrictive feature: 40 to 60 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A1—0 to 3 inches; gravelly loam
A2—3 to 9 inches; gravelly loam
A3—9 to 18 inches; very gravelly loam
Bw—18 to 37 inches; very gravelly very fine sandy loam
BC—37 to 46 inches; very gravelly fine sandy loam
Cr—46 to 60 inches; bedrock

Characteristics of Slan, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northeast to west (clockwise)

Properties and qualities

Parent material: Colluvium over residuum weathered from sandstone
Slope range: 10 to 35 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Not saline
Sodicity maximum: Not sodic
Available water capacity (entire profile): Low (about 4.1 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e
Ecological site: SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID)

Typical profile

A—0 to 2 inches; very gravelly loam
BA—2 to 5 inches; gravelly fine sandy loam
Bt—5 to 18 inches; gravelly loam
Bk—18 to 25 inches; gravelly loam
BC—25 to 32 inches; fine sandy loam
Cr—32 to 60 inches; bedrock

Dissimilar Minor Components

Cokeville, dry soils

Composition: 10 percent
Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope

225—Water

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Map Unit Composition

Water: 100 percent

226—Water, miscellaneous

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Map Unit Composition

Water, miscellaneous: 100 percent

227—Watkins Ridge gravelly silt loam, dry, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains
Elevation: 6,600 to 7,230 feet
Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Watkins Ridge, dry and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Watkins Ridge, dry Soils

Setting

Landform: Plateaus

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: East

Aspect - range: North to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium derived from limestone and sandstone

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Not saline

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 10.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 8 inches; gravelly silt loam

A2—8 to 14 inches; gravelly silt loam

Bk1—14 to 26 inches; silt loam

Bk2—26 to 45 inches; silt loam

Bk3—45 to 60 inches; silt loam

Dissimilar Minor Components

Bezzant, dry soils

Composition: 10 percent

Landform: Plateaus

Clegg, dry soils

Composition: 5 percent

Landform: Plateaus

228—Wursten silt loam, 1 to 4 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,840 to 6,360 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten and similar soils: 75 percent

Dissimilar minor components: 25 percent

Characteristics of Wursten Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 1 to 4 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3c

Land capability subclass (irrigated): 3c

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Bearhollow soils

Composition: 10 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Footslope

Arbone soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Buist soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Iphil soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

229—Wursten silt loam, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,880 to 6,650 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Wursten Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Land capability subclass (irrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Arbone soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Cedarhill soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope

Iphil soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

230—Wursten silt loam, 12 to 20 percent slopes

Map Unit Setting

Major land resource area (MLRA): 13 - Eastern Idaho Plateaus

Elevation: 5,950 to 6,630 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten and similar soils: 80 percent

Dissimilar minor components: 20 percent

Characteristics of Wursten Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 12 to 20 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Arbone soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Bearhollow soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Iphil soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Niter soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

231—Wursten silt loam, dry, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,930 to 7,250 feet

Mean annual precipitation: 12 to 18 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten, dry and similar soils: 85 percent

Dissimilar minor components: 15 percent

Characteristics of Wursten, dry Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Dissimilar Minor Components

Arbone, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Cedarhill, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Vicking, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

232—Wursten-Bearhollow complex, 10 to 35 percent slopes

Map Unit Setting

Major land resource area (MLRA): 47 - Wasatch and Uinta Mountains

Elevation: 6,000 to 6,680 feet

Mean annual precipitation: 14 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten and similar soils: 50 percent

Bearhollow and similar soils: 30 percent

Dissimilar minor components: 20 percent

Characteristics of Wursten Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 10 to 35 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Characteristics of Bearhollow Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Footslope

Down-slope shape: Linear

Across-slope shape: Linear

Aspect - representative: Southwest

Aspect - range: Southeast to northwest (clockwise)

Properties and qualities

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 10 to 35 percent

Depth to restrictive feature: 40 to 60 inches to abrupt textural change

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 3.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 5.0

Available water capacity (entire profile): High (about 9.2 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 6 inches; gravelly loam

Bk1—6 to 11 inches; loam

Bk2—11 to 20 inches; loam

Bk3—20 to 24 inches; loam

BCK—24 to 33 inches; fine sandy loam

2Ck1—33 to 44 inches; loamy fine sand

3Ck2—44 to 62 inches; silty clay loam

Dissimilar Minor Components

Cedarhill soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope

Dirtyhead soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Summit, shoulder

233—Wursten-Rexburg complex, 4 to 12 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,890 to 6,510 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten and similar soils: 55 percent

Rexburg and similar soils: 30 percent

Dissimilar minor components: 15 percent

Characteristics of Wursten Soils

Setting

Landform: Hillslopes, fan remnants

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex, linear

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed alluvium and/or slope alluvium

Slope range: 4 to 12 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 3e
Land capability subclass (irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Characteristics of Rexburg Soils

Setting

Landform: Fan remnants, hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear, concave
Across-slope shape: Convex, linear
Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced alluvium and/or slope alluvium
Slope range: 4 to 12 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Nonsaline (about 1.0 mmhos/cm)
Sodicity maximum: Not sodic
Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Land capability subclass (irrigated): 6e
Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam
AB—7 to 13 inches; silt loam
Bw—13 to 25 inches; silt loam
Bk1—25 to 31 inches; silt loam
Bk2—31 to 47 inches; silt loam
C—47 to 60 inches; silt loam

Dissimilar Minor Components

Arbone soils

Composition: 5 percent
Landform: Hillslopes, fan remnants
Geomorphic position (two-dimensional): Backslope, footslope

Bearhollow soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Footslope

Hades soils

Composition: 5 percent

Landform: Fan remnants, hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

234—Wursten-Rexburg complex, 12 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 5,870 to 6,680 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Map Unit Composition

Wursten and similar soils: 45 percent

Rexburg and similar soils: 35 percent

Dissimilar minor components: 20 percent

Characteristics of Wursten Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)

Sodicity maximum: Sodium adsorption ratio is about 9.0

Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A1—0 to 3 inches; silt loam

A2—3 to 8 inches; silt loam

Bk1—8 to 31 inches; loam

Bk2—31 to 44 inches; gravelly loam

Bk3—44 to 60 inches; gravelly sandy loam

Characteristics of Rexburg Soils

Setting

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Down-slope shape: Linear

Across-slope shape: Convex

Aspect - range: All aspects

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium

Slope range: 12 to 25 percent

Depth to restrictive feature: None within 60 inches

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Dissimilar Minor Components

Hades soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Joes soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Watercanyon soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

235—Wursten-Rexburg complex, dry, 12 to 25 percent slopes

Map Unit Setting

Major land resource area (MLRA): 43B - Central Rocky Mountains

Elevation: 7,120 to 7,580 feet

Mean annual precipitation: 15 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 65 to 85 days

Map Unit Composition

Wursten, dry and similar soils: 45 percent
Rexburg, dry and similar soils: 35 percent
Dissimilar minor components: 20 percent

Characteristics of Wursten, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced mixed slope alluvium and/or colluvium
Slope range: 12 to 25 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Flooding frequency: None
Ponding frequency: None
Seasonal high water table minimum depth: More than 72 inches
Salinity maximum: Very slightly saline (about 2.0 mmhos/cm)
Sodicity maximum: Sodium adsorption ratio is about 9.0
Available water capacity (entire profile): Moderate (about 8.8 inches)

Interpretive groups

Land capability subclass (nonirrigated): 4e
Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A1—0 to 3 inches; silt loam
A2—3 to 8 inches; silt loam
Bk1—8 to 31 inches; loam
Bk2—31 to 44 inches; gravelly loam
Bk3—44 to 60 inches; gravelly sandy loam

Characteristics of Rexburg, dry Soils

Setting

Landform: Hillslopes
Geomorphic position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Aspect - representative: East
Aspect - range: Northwest to southeast (clockwise)

Properties and qualities

Parent material: Loess influenced slope alluvium and/or colluvium
Slope range: 12 to 25 percent
Depth to restrictive feature: None within 60 inches
Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Flooding frequency: None

Ponding frequency: None

Seasonal high water table minimum depth: More than 72 inches

Salinity maximum: Nonsaline (about 1.0 mmhos/cm)

Sodicity maximum: Not sodic

Available water capacity (entire profile): High (about 12.0 inches)

Interpretive groups

Land capability subclass (nonirrigated): 6e

Ecological site: LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID)

Typical profile

A—0 to 7 inches; silt loam

AB—7 to 13 inches; silt loam

Bw—13 to 25 inches; silt loam

Bk1—25 to 31 inches; silt loam

Bk2—31 to 47 inches; silt loam

C—47 to 60 inches; silt loam

Dissimilar Minor Components

Hades, dry soils

Composition: 10 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Joes, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Watercanyon, dry soils

Composition: 5 percent

Landform: Hillslopes

Geomorphic position (two-dimensional): Backslope, footslope

Use and Management of the Soils

This soil survey is an inventory and evaluation of the soils in the survey area. It can be used to adjust land uses to the limitations and potentials of natural resources and the environment. Also, it can help to prevent soil-related failures in land uses.

In preparing a soil survey, soil scientists, conservationists, engineers, and others collect extensive field data about the nature and behavioral characteristics of the soils. They collect data on erosion, droughtiness, flooding, and other factors that affect various soil uses and management. Field experience and collected data on soil properties and performance are used as a basis in predicting soil behavior.

Information in this section can be used to plan the use and management of soils for crops and pasture; as rangeland and forestland; as sites for buildings, sanitary facilities, highways and other transportation systems, and parks and other recreational facilities; for agricultural waste management; and as wildlife habitat. It can be used to identify the potentials and limitations of each soil for specific land uses and to help prevent construction failures caused by unfavorable soil properties.

Planners and others using soil survey information can evaluate the effect of specific land uses on productivity and on the environment in all or part of the survey area. The survey can help planners to maintain or create a land use pattern in harmony with the natural soil.

Contractors can use this survey to locate sources of gravel, sand, reclamation material, roadfill, and topsoil. They can use it to identify areas where bedrock, wetness, or very firm soil layers can cause difficulty in excavation.

Health officials, highway officials, engineers, and others may also find this survey useful. The survey can help them plan the safe disposal of wastes and locate sites for pavements, sidewalks, campgrounds, playgrounds, lawns, and trees and shrubs.

Interpretive Ratings

The interpretive tables in this survey rate the soils in the survey area for various uses. Many of the tables identify the limitations that affect specified uses and indicate the severity of those limitations. The ratings in these tables are both verbal and numerical.

Rating Class Terms

Rating classes are expressed in the tables in terms that indicate the extent to which the soils are limited by all of the soil features that affect a specified use or in terms that indicate the suitability of the soils for the use. Thus, the tables may show limitation classes or suitability classes. Terms for the limitation classes are *not limited*, *somewhat limited*, and *very limited*. The suitability ratings are expressed as *well suited*, *moderately suited*, *poorly suited*, and *unsuited* or as *good*, *fair*, and *poor*.

Numerical Ratings

Numerical ratings in the tables indicate the relative severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate

gradations between the point at which a soil feature has the greatest negative impact on the use and the point at which the soil feature is not a limitation. The limitations appear in order from the most limiting to the least limiting. Thus, if more than one limitation is identified, the most severe limitation is listed first and the least severe one is listed last.

General Land Access and Management

Agronomy

Prepared by Carrie L. Janssen-Smith, Resource Conservationist, Natural Resources Conservation Service.

Crops and Pasture

General management needed for crops and for hay and pasture is suggested in this section. The system of land capability classification used by the Natural Resources Conservation Service is explained, and the estimated yields of the main crops and hay and pasture plants are listed for each soil.

Planners of management systems for individual fields or farms should consider obtaining specific information from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

The survey area encompasses approximately 148,000 acres of land that is used for crop or pasture production. Of this, approximately 84,000 acres are nonirrigated cropland; 9,000 acres are irrigated cropland; and 55,000 acres are hayland and pastureland. The area's climate, as well as the slopes of the cultivated soils, dictates what varieties of crops are produced. The soils are generally broken into four major categories based on percent slope: 0 to 4, 4 to 12, 12 to 20, and greater than 20.

Irrigated soils occur almost exclusively in the 0 to 12 percent slope range. Major crops produced in the irrigated areas are alfalfa, barley, and wheat. The cropping sequence for irrigated farms is generally 2 or 3 years of small grains and 5 to 7 years of alfalfa. Small acreages of oats are grown as a nurse crop with alfalfa and used primarily for hay. Irrigated yields for small grains of 85 bushels per acre are common. Irrigated alfalfa yields average 2.5 T/ac.

When irrigated, proper crop management practices should include conservation crop rotation, residue management, irrigation water management, and nutrient and pesticide management. These practices will ensure that sediment and the associated nutrients and pesticides are not creating unwanted off-site effects.

Shortages of precipitation occur 5 out of 10 years. Because of the storage capacity of area reservoirs, shortages of irrigation water occur 3 out of 10 years. Applications of irrigation water should be adjusted to the available water-holding capacity of the soil, water intake rate, soil depth, and crop needs.

Approximately 9,000 acres of hayland and pastureland are subirrigated. The majority of these lands are located in riparian areas along the Bear River and Thomas Fork drainages. Because of seasonal high-water tables and flooding hazards, these areas are not used to raise annual crops, such as small grains. Producers will often use these areas as livestock winter-feeding areas and for wild-hay production. Management practices should include irrigation water management, as well as nutrient and pesticide management, when these areas are irrigated. Areas that are used for livestock grazing and feeding need appropriate watering facilities, fencing, and other practices to minimize the impacts of livestock on the associated riparian zones. Soils representative of these areas are Bear Lake, Lago, and Chesbrook.

Nonirrigated crops, including wheat, barley, and alfalfa, along with some safflower and canola, are produced on all of the aforementioned slope groups. Typical nonirrigated cropping sequences include wheat fallow and wheat barley fallow. Annual

cropping is becoming increasingly popular, especially in areas of higher precipitation. Under good management, nonirrigated cereal grain yields will average 35 bushels per acre. Approximately 12,000 acres of dryland alfalfa occur within the survey area with average yields of 1 T/ac.

Loss of surface soil because of sheet and rill erosion is a serious problem, especially on nonirrigated cropland. Productivity is reduced as the surface soil is lost, and part of the less productive subsoil becomes incorporated into the plow layer. Concentrated flow erosion creates deep gullies on moderate to steep slopes and is a considerable hazard to the operation of farm machinery. The most serious erosion occurs in late winter and early spring, as the winter's accumulation of snow can rapidly melt with runoff leading to erosion rates that can approach 35 tons of sediment per acre from unprotected soils. Soil erosion may result in stream sedimentation, reducing the quality of water for municipal, recreation, and fish and wildlife uses, as well as reducing storage capacity of irrigation reservoirs.

Erosion control measures on all of the slope groups should include a conservation-cropping sequence that maintains sufficient plant cover or residue on the soil surface to provide for adequate soil protection and decrease soil erosion losses to levels that do not reduce the productive capability of the soils. Grasses and legumes included in the crop rotation help to control soil erosion and maintain soil fertility and tilth. Soils with good tilth generally have granular structure, are porous, and have a high water-infiltration rate. Minimum tillage and no-till practices help to reduce soil compaction and maintain soil tilth. Residue management—maintaining a surface cover of crop residue on the soil surface at planting time, especially for fall planted crops—increases infiltration, helps to dissipate the energy of high-intensity rain events, and reduces runoff and soil erosion.

In addition to the proper cropping sequence and residue management, many of the nonirrigated soils lend themselves to other conservation practices. Terraces and diversions reduce slope lengths, which help reduce runoff and soil erosion. These practices are most practical on very deep well-drained soils that have long, uniform slopes of up to 14 percent. Where concentrated flows have created gullies, water and sediment control structures or grassed waterways can help stabilize the problem, ensuring that more valuable cropland is not lost.

Soils such as the Ant Flat, Bancroft, Joes, Lanoak, Rexburg, and Thatcher series are suitable for terraces and diversions. Other suitable erosion-control practices include contour farming, cross-slope farming, deep tillage, and strip cropping.

The Bear River Range of the Wasatch Mountains to the west traps and collects nearly half of the annual precipitation in the form of snow. The subsequent snowmelt then becomes the source of most of the available irrigation water. Irrigation methods are divided: approximately 15 percent is surface irrigation, and 85 percent is sprinkler irrigation. The area's water resources have been widely developed in the past. Water is diverted from the Bear River and moved into Mud Lake and Bear Lake through an extensive canal system. This water is then released throughout the irrigation season to stabilize streamflows and provide power.

Most cropland soils in the survey area have silt loam, silty clay loam, or loam surface layers that are moderately low in organic matter content as compared to wetland soils such as Bear Lake and Lago. Regular additions of crop residues and manure can help maintain or increase organic matter, improve soil structure and fertility, increase available water-holding capacity, and improve water infiltration. Grain and hay crops, in addition to pasture, will respond to applications of fertilizer. Barley, wheat, and grass pasture respond to applications of nitrogen, phosphorus, and sulfur. Legumes respond to applications of phosphorus and sulfur. On all soils, the addition of fertilizer should be based on the results of soil tests, the needs of the crop, and expected yields.

Information on the design of soil-erosion control measures, as well as other site-specific soil information is available from the local Natural Resources Conservation Service office.

Yields per Acre

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations also are considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, and green manure crops; and harvesting that ensures the smallest possible loss.

For yields of irrigated crops, it is assumed that the irrigation system is adapted to the soils and to the crops grown, that good-quality irrigation water is uniformly applied as needed, and that tillage is kept to a minimum.

Pasture yields are expressed in terms of animal unit months. An animal unit month (AUM) is the amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

The estimated yields reflect the productive capacity of each soil for each of the principal crops. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.

Crops other than those shown in the yields tables are grown in the survey area, but estimated yields are not listed because the acreage of such crops is small. The local office of the Natural Resources Conservation Service or of the Cooperative Extension Service can provide information about the management and productivity of the soils for those crops.

Land Capability Classification

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for forestland, or for engineering purposes.

In the capability system, soils are generally grouped at three levels--capability class, subclass, and unit. More information is available from the National Soil Survey Handbook, online at <http://soils.usda.gov/technical/handbook/contents/part622.html#02>.

Capability classes, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

Class 1 soils have slight limitations that restrict their use.

Class 2 soils have moderate limitations that restrict the choice of plants or that require moderate conservation practices.

Class 3 soils have severe limitations that restrict the choice of plants or that require special conservation practices, or both.

Class 4 soils have very severe limitations that restrict the choice of plants or that require very careful management, or both.

Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Capability subclasses are soil groups within one class. They are designated by adding a small letter, e, w, s, or c, to the class numeral, for example, 2e. The letter e shows the main hazard is the risk of erosion unless close-growing plant cover is maintained; w shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); s shows the soil is limited mainly because it is shallow, droughty, or stony; and c, used in only some parts of the United States, shows the chief limitation is climate that is very cold or very dry.

In class 1, there are no subclasses because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by w, s, or c because the soils in class 5 are subject to little or no erosion. They have other limitations that restrict their use to pasture, rangeland, forestland, wildlife habitat, or recreation.

The productivity of soils and related capability class or subclass are shown in the “[Yields Per Acre of Crops and Pasture](#)” and “[Land Capability Classification](#)” tables.

Prime Farmland and Other Important Farmland

The “[Prime Farmland](#)” lists the map units in the survey area that are considered prime farmland, unique farmland, and farmland of statewide or local importance. This list does not constitute a recommendation for a particular land use.

In an effort to identify the extent and location of important farmland, the Natural Resources Conservation Service, in cooperation with other interested Federal, State, and local government organizations, has inventoried land that can be used for the production of the Nation’s food supply.

Prime farmland is of major importance in meeting the Nation’s short- and long-range needs for food and fiber. Because the supply of high-quality farmland is limited, the U.S. Department of Agriculture recognizes that responsible levels of government, as well as individuals, should encourage and facilitate the wise use of our Nation’s prime farmland.

Prime farmland, as defined by the U.S. Department of Agriculture, is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. It could be cultivated land, pastureland, forestland, or other land, but it is not urban or built-up land or water areas. The soil quality, growing season, and moisture supply are those needed for the soil to economically produce sustained high yields of crops when proper management, including water management, and acceptable farming methods are applied. In general, prime farmland has an adequate and dependable supply of moisture from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, an acceptable salt and sodium content, and few or no rocks. The water supply is dependable and of adequate quality. Prime farmland is permeable to water and air. It is not excessively erodible or saturated with water for long periods, and it either is not frequently flooded during the growing season or is protected from

flooding. Slope ranges mainly from 0 to 6 percent. More detailed information about the criteria for prime farmland is available at the local office of the Natural Resources Conservation Service.

A recent trend in land use in some areas has been the loss of some prime farmland to industrial and urban uses. The loss of prime farmland to other uses puts pressure on marginal lands, which generally are more erodible, droughty, and less productive and cannot be easily cultivated.

For some soils identified in the table as prime farmland, measures that overcome a hazard or limitation, such as flooding, wetness, and droughtiness, are needed. Onsite evaluation is needed to determine whether or not the hazard or limitation has been overcome by corrective measures.

Agricultural Waste Management

The titles of the tables described in this section are:

- [“Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge”](#)
- [“Agricultural Disposal of Wastewater by Irrigation and Overland Flow”](#)
- [“Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment”](#)

Soil properties are important considerations in areas where soils are used as sites for the treatment and disposal of organic waste and wastewater. Selection of soils with properties that favor waste management can help to prevent environmental damage.

The tables described in this section show the degree and kind of soil limitations affecting the treatment of agricultural waste, including municipal and food-processing wastewater and effluent from lagoons or storage ponds. Municipal wastewater is the waste stream from a municipality. It contains domestic waste and may contain industrial waste. It may have received primary or secondary treatment. It is rarely untreated sewage. Food-processing wastewater results from the preparation of fruits, vegetables, milk, cheese, and meats for public consumption. In places it is high in content of sodium and chloride. In the context of these tables, the effluent in lagoons and storage ponds is from facilities used to treat or store food-processing wastewater or domestic or animal waste. Domestic and food-processing wastewater is very dilute, and the effluent from the facilities that treat or store it commonly is very low in content of carbonaceous and nitrogenous material; the content of nitrogen commonly ranges from 10 to 30 milligrams per liter. The wastewater from animal waste treatment lagoons or storage ponds, however, has much higher concentrations of these materials, mainly because the manure has not been diluted as much as the domestic waste. The content of nitrogen in this wastewater generally ranges from 50 to 2,000 milligrams per liter. When wastewater is applied, checks should be made to ensure that nitrogen, heavy metals, and salts are not added in excessive amounts.

The ratings in the tables are for waste management systems that not only dispose of and treat organic waste or wastewater but also are beneficial to crops (application of manure and food-processing waste, application of sewage sludge, and disposal of wastewater by irrigation) and for waste management systems that are designed only for the purpose of wastewater disposal and treatment (overland flow of wastewater, rapid infiltration of wastewater, and slow rate treatment of wastewater).

The ratings in the tables are in both text and numerical format. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect agricultural waste management. *Not limited* indicates the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates the soil has features that are moderately favorable for the specified use. Limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates the soil has one or more features that are unfavorable

for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Application of manure and food-processing waste not only disposes of waste material but also can improve crop production by increasing the supply of nutrients in the soils where the material is applied. Manure is the excrement of livestock and poultry, and food-processing waste is damaged fruit and vegetables and the peelings, stems, leaves, pits, and soil particles removed in food preparation. The manure and food-processing waste are either solid, slurry, or liquid. Their nitrogen content varies. A high content of nitrogen limits the application rate. Toxic or otherwise dangerous wastes, such as those mixed with the lye used in food processing, are not considered in the ratings.

The ratings are based on the soil properties that affect absorption, plant growth, microbial activity, erodibility, the rate at which the waste is applied, and the method by which the waste is applied. The properties that affect absorption include saturated hydraulic conductivity (Ksat), depth to a water table, ponding, the sodium adsorption ratio, depth to bedrock or a cemented pan, and available water capacity. The properties that affect plant growth and microbial activity include reaction, the sodium adsorption ratio, salinity, and bulk density. The wind erodibility group, the soil erosion factor K, and slope are considered in estimating the likelihood that wind erosion or water erosion will transport the waste material from the application site. Stones, cobbles, a water table, ponding, and flooding can hinder the application of waste. Permanently frozen soils are unsuitable for waste treatment.

Application of sewage sludge not only disposes of waste material but also can improve crop production by increasing the supply of nutrients in soils where the material is applied. In the context of this table, sewage sludge is the residual product of the treatment of municipal sewage. The solid component consists mainly of cell mass, primarily bacteria cells that developed during secondary treatment and have incorporated soluble organics into their own bodies. The sludge has small amounts of sand, silt, and other solid debris. Nitrogen content varies. Some sludge has constituents toxic to plants or hazardous to the food chain, such as heavy metals and exotic organic compounds, and should be analyzed chemically prior to use.

The content of water in the sludge ranges from about 98 percent to less than 40 percent. The sludge is considered liquid if it is more than about 90 percent water, slurry if it is about 50 to 90 percent water, and solid if it is less than about 50 percent water.

The ratings in the table are based on the soil properties that affect absorption, plant growth, microbial activity, erodibility, the rate at which the sludge is applied, and the method by which the sludge is applied. The properties that affect absorption, plant growth, and microbial activity include saturated hydraulic conductivity (Ksat), depth to a water table, ponding, the sodium adsorption ratio, depth to bedrock or a cemented pan, available water capacity, reaction, salinity, and bulk density. The wind erodibility group, the soil erosion factor K, and slope are considered in estimating the likelihood that wind erosion or water erosion will transport the waste material from the application site. Stones, cobbles, a water table, ponding, and flooding can hinder the application of sludge. Permanently frozen soils are unsuitable for waste treatment.

Disposal of wastewater by irrigation not only disposes of municipal wastewater and wastewater from food-processing plants, lagoons, and storage ponds but also can improve crop production by increasing the amount of water available to crops. The ratings in the table are based on the soil properties that affect the design, construction, management, and performance of the irrigation system. The properties that affect design and management include the sodium adsorption ratio, depth to a water table,

ponding, available water capacity, saturated hydraulic conductivity (Ksat), slope, and flooding. The properties that affect construction include stones, cobbles, depth to bedrock or a cemented pan, depth to a water table, and ponding. The properties that affect performance include depth to bedrock or a cemented pan, bulk density, the sodium adsorption ratio, salinity, reaction, and the cation-exchange capacity, which is used to estimate the capacity of a soil to adsorb heavy metals. Permanently frozen soils are not suitable for disposal of wastewater by irrigation.

Disposal of wastewater by overland flow is a process in which wastewater is applied to the upper reaches of sloped land and allowed to flow across vegetated surfaces, sometimes called terraces, to runoff-collection ditches. The length of the run generally is 150 to 300 feet. The application rate ranges from 2.5 to 16.0 inches per week. It commonly exceeds the rate needed for irrigation of cropland. The wastewater leaves solids and nutrients on the vegetated surfaces as it flows downslope in a thin film. Most of the water reaches the collection ditch, some is lost through evapotranspiration, and a small amount may percolate to the ground water.

The ratings in the table are based on the soil properties that affect absorption, plant growth, microbial activity, and the design and construction of the system. Reaction and the cation-exchange capacity affect absorption. Reaction, salinity, and the sodium adsorption ratio affect plant growth and microbial activity. Slope, saturated hydraulic conductivity (Ksat), depth to a water table, ponding, flooding, depth to bedrock or a cemented pan, stones, and cobbles affect design and construction. Permanently frozen soils are unsuitable for waste treatment.

Rapid infiltration of wastewater is a process in which wastewater applied in a level basin at a rate of 4 to 120 inches per week percolates through the soil. The wastewater may eventually reach the ground water. The application rate commonly exceeds the rate needed for irrigation of cropland. Vegetation is not a necessary part of the treatment; hence, the basins may or may not be vegetated. The thickness of the soil material needed for proper treatment of the wastewater is more than 72 inches. As a result, geologic and hydrologic investigation is needed to ensure proper design and performance and to determine the risk of ground-water pollution.

The ratings in the table are based on the soil properties that affect the risk of pollution and the design, construction, and performance of the system. Depth to a water table, ponding, flooding, and depth to bedrock or a cemented pan affect the risk of pollution and the design and construction of the system. Slope, stones, and cobbles also affect design and construction. Saturated hydraulic conductivity (Ksat) and reaction affect performance. Permanently frozen soils are unsuitable for waste treatment.

Slow rate treatment of wastewater is a process in which wastewater is applied to land at a rate normally between 0.5 inch and 4.0 inches per week. The application rate commonly exceeds the rate needed for irrigation of cropland. The applied wastewater is treated as it moves through the soil. Much of the treated water may percolate to the ground water, and some enters the atmosphere through evapotranspiration. The applied water generally is not allowed to run off the surface. Waterlogging is prevented either through control of the application rate or through the use of tile drains, or both.

The ratings in the table are based on the soil properties that affect absorption, plant growth, microbial activity, erodibility, and the application of waste. The properties that affect absorption include the sodium adsorption ratio, depth to a water table, ponding, available water capacity, saturated hydraulic conductivity (Ksat), depth to bedrock or a cemented pan, reaction, the cation-exchange capacity, and slope. Reaction, the sodium adsorption ratio, salinity, and bulk density affect plant growth and microbial activity. The wind erodibility group, the soil erosion factor K, and slope are considered in estimating the likelihood of wind erosion or water erosion. Stones, cobbles, a water table, ponding, and flooding can hinder the application of waste. Permanently frozen soils are unsuitable for waste treatment.

Range

Prepared by Scott Engle, Range Conservationist, Natural Resources Conservation Service

Rangeland is natural vegetation usually composed of native grasses, forbs and shrubs, and a few trees that are not cultivated and are managed in a nonintensive manner. Rangeland provides forage for livestock, habitat and forage for wildlife, and watershed protection. Rangeland also provides recreational activities. In Bear Lake County, livestock and wildlife are the most significant users of rangeland. Rangeland comprises 228,000 acres or 36 percent of the survey area. Approximately 17 percent of the rangeland is private, and 19 percent is owned by the Bureau of Land Management (BLM) or the state. The Caribou-Targhee National Forest, which also contains rangeland, is not part of the soil survey area. Bear Lake County is a high-elevation area of mountains, plateaus, and valleys, with all areas having some snow cover during the winter months. The vegetation indicates that the climate may be a little drier and a little warmer than the same elevation in other areas of southeast Idaho.

The long period of snow cover makes hay production an important part of most livestock operations. Typically, livestock operations are headquartered near areas that produce enough forage to be harvested as a hay crop. These areas typically have irrigation water or subirrigated meadows. The headquarters area may also provide summer grazing or easy access to summer grazing. A common practice is to cut one crop of hay for winter-feeding with the regrowth used for fall grazing. These meadows may have some native vegetation but are usually planted species that remain for many years. The irrigated fields are often planted to alfalfa.

Hay production is limited for all producers by cold temperatures and a short-growing season. Early spring growth of alfalfa and even the grasses may freeze down making it necessary for the plant to start over making its annual production. Irrigation-water availability is also highly variable. Some water rights provide enough water for the growing season, but water from small creeks is often limited to the early part of the growing season. These factors cause a wide variation in production from alfalfa and hay meadows.

Cow-calf is the most common livestock operation with an average of 150 head. Some producers also run a small flock of sheep (50 head) that are sometimes kept at the ranch headquarters. The average size ranch is about 500 to 600 acres. Livestock are usually fed hay from late November to May 15. The winter-feeding areas often have live water. If not carefully controlled, livestock use of this water can lead to damage to streambanks and riparian vegetation. From snowmelt until the grass is ready for grazing can be a difficult time as the meadows are wet, and damage to the plants is caused by grazing and trampling. Livestock respiratory diseases are common in the spring.

After May 15, the cattle either graze the meadows or use spring range. Spring ranges are often mixed ownership between private, BLM, and state land. Ranges below 6,500 feet are usually grazed in the spring. Spring grazing, which occurs year after year in the same area, is hard on the grass and can be hard on the meadows. Spring ranges are generally in poorer condition than those grazed in the summer or fall. Finding a place for livestock during the spring can be difficult for the rancher.

Starting about June 15, most cattle operations go to the Caribou-Targhee National Forest for summer grazing. Some private, state, and BLM ranges above 6,500-foot elevation are used for summer grazing. Late fall grazing is usually on private meadows, crop aftermath, regrowth on hayland, or on Cropland Reserve Program (CRP) acres.

In 2009, one large sheep operation has headquarters in this area. During the summer, this operation grazes on the Caribou-Targhee National Forest and, during the winter, on the desert range in the Rock Springs vicinity. Sheep operations from other areas use the Caribou-Targhee National Forest for summer grazing. Elk, deer, and

moose also summer graze on the Caribou-Targhee National Forest and move down to BLM and private land as the snow becomes deeper in the fall and winter.

The basic soil/plant relationship on rangeland is best maintained by proper grazing management. Management involves controlling the amount, timing, and duration of the use on each area to allow the plant to recover from grazing before it is used again. Livestock are best distributed over an area by using salting, herding, fences, and off-stream water developments. The suitability of range improvement practices, such as brush management, range seeding, and water developments, depend on specific characteristics of the soils and the goals of the manager. Information relating to these characteristics and the suitability of the practices can be found in the map unit descriptions and table data.

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

The table "[Rangeland Productivity and Characteristic Plant Communities](#)" shows, for each soil that supports vegetation suitable for grazing, the ecological site; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service.

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation (the grasses, forbs, and shrubs that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires a knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined

as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the *National Range and Pasture Handbook*, which is available in local offices of the Natural Resources Conservation Service or online at <http://www.glti.nrcs.usda.gov/technical/publications/nrph.html>.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Forestland Management and Productivity

Prepared by Frank Gariglio, State Forester, Natural Resources Conservation Service

Approximately 13,000 acres within the survey are mapped as forestland. The two most common tree species identified in the forested map units are quaking aspen and Douglas-fir. Limited amounts of lodgepole pine, subalpine fir, bigtooth maple, and Engelmann spruce are also encountered on the private lands that make up the survey area.

Aspen are found in forests as a climax species or as a seral species to conifer stands. On many sites, aspen exist in relatively stable mixed stands with Douglas-fir.

Aspen require sufficient available moisture to meet the high evapotranspiration requirement for the species. At least 15 inches of annual precipitation is necessary for the establishment of the species. Aspen stands become more pronounced and vigorous in areas of high-snowfall accumulation or drifting, on favorable aspects, or on soils that receive additional subsurface moisture. Although aspen have a high-moisture requirement during the growing season, its occurrence is limited by excessive precipitation (in excess of 40 inches of annual precipitation) and by long periods of soil saturation. Short-growing seasons and cold temperatures limit aspen expression in higher elevations.

Aspen stands are impacted and changed by disturbance events, such as prolonged drought, harvest, and wildfire. The effect of any particular disturbance event on the makeup of the stand is determined by the intensity and duration of the event, which in turn determines the extent of the mortality on the aboveground portion of the stand. Aspen typically respond to catastrophic disturbances by sprouting new stems or shoots from the belowground root portions of the plant in a process referred to as "suckering." It is typical, therefore, to have aspen stands that are even-aged with common genetic origin and a complex interlinked root system.

Aspen-dominated stands gradually give way to mixed aspen/conifer stands in the mid-elevation range. On these particular sites, the moisture, temperature, and soil thresholds are favorable for the establishment of conifers. Historically, disturbance again played an important role in the succession, structure, and function of mixed aspen/conifer stands. High mortality of mature trees in mixed stands favors the reestablishment of aspen because of its ability to regenerate quickly and easily from suckers. The establishment of conifers is dependent on germination from seed, which is a slower process compared to aspen regeneration. During periods where disturbance event intervals are long, e.g., absence of wildfire for an extended period, the proportion of conifers within aspen stands will typically increase over time. This increase occurs because species, such as Douglas-fir, a moderately shade-tolerant tree, become established underneath aspen by seedling germination. In time, these species grow to replace the early-succession aspen component of the stand.

Within the survey area, the occurrence of pure aspen stands, mixed stands, and conifer-dominated forests is determined by many interrelated factors. The dynamic

combination of soil moisture, temperature, and climatic relationships, coupled with the nature and intensity of natural disturbances, all contribute to produce unique forest conditions at any point in time.

With the immigration of white-European settlement to this area, the makeup and condition of aspen and aspen-mixed stands changed. Early pioneers found that the aspen-dominated stands provided excellent summer grazing areas for both sheep and cattle. The shade from the overstory forest provided choice livestock resting sites. Aspen and mixed stands were usually in close proximity to watering sources, and the shading of the stand produced forage that had higher quality and increased palatability later into the summer months when compared to adjacent open range. The combinations of these factors could lead to overutilization of the forage plants associated with aspen groves.

The pattern of livestock use, as well as fire suppression during the last century, has likely reduced the frequency of fire as a disturbance factor within pure and mixed stands of aspen and conifers.

No specific forest productivity data was taken for quaking aspen during the course of this soil survey. The aspen-dominated stands within the survey area are predominately classified as Aspen/Pinegrass (POTR/CARU) community types (Mueggler 1988). These stands typically have a site index of 50 (Edminster: 80-breast height-age reference), with annual production rates of 40 ft³/acre/year at maturity as given by Edminster. Additional management considerations and references can be found in this publication.

Quaking aspen in this survey area has limited commercial value or use. Many factors are responsible for this limitation, including the relative limited acreage of aspen forests; low site quality and stocking rates; and the current condition, age, and vigor of many present stands. Additional limiting factors include long distance to markets and difficulty in harvesting and regeneration of the stands, as well as the inherent low value for products that are derived from aspen. Aspen have been traditionally used for rough-grade dimension products as well as for pulp. Increasing commercial markets for specialty products, such as furniture and distinctive decorative paneling, might increase the value of aspen in this region in the future.

Aspen-dominated stands can be regenerated by prescribed fire and harvest cuttings, which promote new suckering growth. Prescribed grazing can be used to improve the understory plant composition within these stands.

Aspen stands have historically provided high-value wildlife benefits as well as hydrologic benefits for local watersheds. Aspen forests have long been treasured for the aesthetic values they add to the landscape.

The climax conifer forests in the survey area were not sampled for production values during the course of the survey. Habitat types of the conifer climax stands in this region are described by Steele, Cooper, and others (1983). A number of Douglas-fir climax habitat types cover the range of soils identified in this report. Refer to *Forest Habitat Types of Eastern Idaho-Western Wyoming* (Steele, 1983) for an estimation of the site index and representative-growth projection for specific habitat types and identified phases.

Douglas-fir and lodgepole pine typically have higher value for wood products than aspen. Traditional dimension sawlogs and pulp logs can be harvested from these stands. The value of the material is limited by relatively low production rates coupled with typical long trucking distances to mills. The wood-processing industry has been sporadic in the immediate area. Firewood, wood for posts and poles, and other local noncommercial values come from local stands within the survey area.

Precommercial thinning, forest-site preparation, tree planting, and other silvicultural practices can be applied to these stands to improve production and the health and sustainability of these local forests.

Many of the forest stands in the survey area are currently used for understory grazing by livestock. Grazing management practices that include prescribed grazing,

fencing, water developments, and other associated practices can improve the resource for livestock and associated values. Wildlife and other resource needs must be considered in the management of these stands. Riparian areas within all forests in the county should be managed wisely.

Recreational Development

The titles of the tables described in this section are:

- “Camp Areas, Picnic Areas, and Playgrounds”
- “Paths, Trails, and Golf Fairways”

In the tables described in this section, the soils of the survey area are rated according to limitations that affect their suitability for recreational development. Ratings in the tables are in both text and numerical format. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. *Not limited* indicates the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings in the tables are based on restrictive soil features, such as wetness, slope, texture of the surface layer, and susceptibility to flooding. Not considered in the ratings, but important in evaluating a site, are the area's location and accessibility, size and shape, and scenic quality; vegetation; access to water and public sewer lines; and potential water impoundment sites. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of depth, duration, intensity, and frequency of flooding is essential.

The information in these tables can be supplemented by other information in this survey, for example, interpretations for dwellings without basements, for local roads and streets, and for septic tank absorption fields.

Camp areas require site preparation, such as shaping and leveling tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas. Soil properties that affect performance of the areas after development are those that influence trafficability and promote growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. Soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. Soil properties that affect the growth of plants are depth to bedrock or a cemented pan, saturated hydraulic conductivity (Ksat), and toxic substances in the soil.

Picnic areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, saturated hydraulic conductivity (Ksat), and toxic substances in the soil.

Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, saturated hydraulic conductivity (Ksat), and toxic substances in the soil.

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling. Ratings are based on soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Off-road motorcycle trails require little or no site preparation. They are not covered with surfacing material or vegetation. Considerable compaction of the soil material is likely. The ratings are based on the soil properties that influence erodibility, trafficability, dustiness, and the ease of revegetation. These properties are stoniness, slope, depth to a water table, ponding, flooding, and texture of the surface layer.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. Irrigation is not considered in the ratings. Ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. Properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. Properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

Wildlife Habitat in the Bear Lake County Area Soil Survey

Prepared by Ron Gill, Biologist, Natural Resources Conservation Service

Wildlife habitats are characterized by their capacity to provide the essentials of food, water, and cover. In the Bear Lake County Area Soil Survey, habitats are a function of soil because of the different plant communities present on different soils. Terrestrial habitats are further separated because of land use and management of specific sites. Sound conservation planning based on soil information will benefit the wildlife resource of terrestrial habitats.

Aquatic habitats are not described or characterized in this soil survey, but aquatic habitats also benefit indirectly from sound conservation planning. Land-use practices on the surrounding landscape have a profound effect on water quality through runoff.

Sound conservation management on the land adjoining a stream is as important as conservation practices applied within the stream channels.

Big Game

Big game in the survey area includes elk, mule deer, and moose. In general, elk and mule deer migrate out of the soil survey area during the summer. Mule deer will use all the mapping units in the survey. Moose are associated with riparian zones but sometimes winter on south slopes in sagebrush habitat near heavier cover.

Amphibians and Reptiles

Amphibians include salamanders, frogs, and toads. Amphibians require water or very damp soil to complete their lifecycle. Reptiles are adapted to a terrestrial lifestyle. Amphibians and reptiles are cold blooded, so their activity levels are directly related to daily and seasonal changes in temperature.

Amphibians require either a water body or saturated soils for reproduction. Soils associated with water features like streams, lakes, wetlands, or irrigated cropland contain habitat for amphibians. These soils are often hydric (wetland) or are soils with inclusions of wet areas.

Amphibians found in the soil survey area include the long-toed salamander, tiger salamander, western toad, Pacific Chorus frog, and northern leopard frog.

Native reptiles include lizards and snakes. Turtles are not native to the area although an occasional escaped box turtle may be found. Common reptiles are the sagebrush lizard, short-horned lizard, rubber boa, gopher snake, and western terrestrial garter snake.

The best-known reptile is the western rattlesnake. This species can tolerate a wider range of habitats and elevations than any other reptile in Idaho. These rattlesnakes can live in any of the mapping units on the general soil map. Rattlesnakes must always be respected. The young can inflict a venomous bite from the day they are born. Persons searching out rattlesnakes are the most likely to be bitten.

Birds

Upland game birds include native sage grouse and sharp-tailed grouse, as well as the introduced ring-necked pheasant and Hungarian partridge. Native grouse are found in undisturbed habitats, while the introduced species are most associated with cropland.

In general, waterfowl migrate through the survey area. Populations of Canada geese, mallards, and redheads nest and rear their young in habitats associated with the Bear River. General Soil Mapping Unit 2, which includes most of the Bear Lake National Wildlife Refuge, is most closely associated with waterfowl.

Potentially, over 100 species of nongame birds may nest in the area and use all of the general soil mapping units. The mountain bluebird is a common summer resident in the area. The mountain bluebird responds well to nest boxes, so it may be found in many habitats. Many species use riparian habitats associated with General Soil Mapping Units 1 and 2. Migratory routes exist along all major drainages in the area. The quality of the riparian areas in all drainages determines the potential use for nongame birds. Healthy riparian areas provide diverse habitat for song-bird populations. Common birds in riparian habitats are the song sparrow, yellow warbler, black-capped chickadee, and several species of swallows. Good riparian management can greatly improve nesting and feeding habitat for nongame birds.

Hawks, eagles, and owls occur throughout the soil mapping area. Species using the survey area include the bald eagle, golden eagle, ferruginous hawk, and Swainson's hawk. The bald eagle is generally a spring and fall migrant, but portions of the Bear River riparian zone with tall cottonwoods are home to nesting bald eagles. The Great Horned owl can be found in all drainages and across all general soil mapping units.

Sagebrush obligate species

In the soil survey area, an important habitat is sagebrush with a well-developed grass/forb understory. These sites provide habitat to animals known as sagebrush obligates. Some of these species, such as the sage grouse and the pigmy rabbit, are linked to sagebrush by their diet. Others, such as the grasshopper mouse and the short-horned lizard, have become highly adapted to the sagebrush ecotype. Ferruginous hawks and Swainson's hawks nest and hunt in sagebrush or sagebrush/juniper habitats. This habitat type is found in General Soil Mapping Units 3, 4, 5, 6, and 13.

Furbearers

Furbearers, such as river otter, beaver, mink, raccoon, and muskrat, are more common in and adjacent to streams in General Soil Mapping Unit 1 and 2. Red foxes and coyotes are found throughout the soil survey area.

Fisheries

Game fish associated with the Bear River drainage are predominantly introduced rainbow and brook trout. The native trout is the Bonneville cutthroat trout. Other native fish are the Paiute sculpin, mottled sculpin, mountain sucker, bluehead sucker, Utah sucker, redbelt shiner, speckled dace, longnosed dace, and mountain whitefish.

Bear Lake is home to several unique fish. While cutthroat trout are a fish generally found in flowing water, the Bear Lake strain of the Bonneville cutthroat trout have become adapted to living in the lake. Bear Lake cutthroat trout grow very large; some weigh as much as 18 pounds. Bear Lake cutthroat trout have been stocked in lakes in Idaho and Wyoming and are no longer only found in Bear Lake. Four fish that are unique to Bear Lake are the Bear Lake sculpin, Bear Lake whitefish, Bonneville whitefish, and Bonneville cisco. Bonneville cisco are a popular fishery in the winter where the fish are caught with dip nets.

Threatened and Endangered Species

As of 2005, there are three species in the survey area listed under the Endangered Species Act. These species are the gray wolf, bald eagle, and whooping crane. The gray wolf occurs at very low densities and are usually sighted traveling through the area. The Whooping Crane is part of an experimental population established at Grays Lake National Wildlife Refuge in the 1980s. Most of these birds have been removed, but an occasional straggler may be seen.

Engineering

This section provides information for planning land uses related to urban development and water management. Soils are rated for various uses, and the most limiting features are identified. Ratings are given for building site development, sanitary facilities, construction materials, and water management. The ratings are based on observed performance of the soils and on the data in the tables described under the heading "[Soil Properties](#)."

Information in this section is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of soils or for testing and analysis by personnel experienced in design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this section. Local ordinances and regulations should be considered in planning, site selection, and design.

Soil properties, site features, and observed performance were considered in determining the ratings in this section. During the fieldwork for this soil survey, determinations were made about particle-size distribution, liquid limit, plasticity index, soil reaction, depth to bedrock, hardness of bedrock within 5 to 7 feet of the surface, soil wetness, depth to a water table, ponding, slope, likelihood of flooding, natural soil structure aggregation, and soil density. Data were collected about kinds of clay minerals, mineralogy of the sand and silt fractions, and the kinds of adsorbed cations. Estimates were made for erodibility, saturated hydraulic conductivity (Ksat), corrosivity, shrink-swell potential, available water capacity, and other behavioral characteristics affecting engineering uses.

This information can be used to evaluate the potential of areas for residential, commercial, industrial, and recreational uses; make preliminary estimates of construction conditions; evaluate alternative routes for roads, streets, highways, pipelines, and underground cables; evaluate alternative sites for sanitary landfills, septic tank absorption fields, and sewage lagoons; plan detailed onsite investigations of soils and geology; locate potential sources of gravel, sand, reclamation material, roadfill, and topsoil; plan structures for water management; and predict performance of proposed small structures and pavements by comparing the performance of existing similar structures on the same or similar soils.

The information in the tables, along with the soil maps, the soil descriptions, and other data provided in this survey, can be used to make additional interpretations.

Some of the terms used in this soil survey have a special meaning in soil science and are defined in the [“Glossary.”](#)

Building Site Development

The titles of the tables described in this section are:

- [“Dwellings and Small Commercial Buildings”](#)
- [“Roads and Streets, Shallow Excavations, and Lawns and Landscaping”](#)

Soil properties influence the development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. The tables described in this section show the degree and kind of soil limitations that affect dwellings with and without basements, small commercial buildings, local roads and streets, shallow excavations, and lawns and landscaping.

The ratings in the tables are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet. The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or soil material stabilized by lime or cement; and a surface of flexible material (asphalt), rigid material (concrete), or gravel with a binder. The ratings are based on the soil properties that affect the ease of excavation and grading and the traffic-supporting capacity. The properties that affect the ease of excavation and grading are depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, depth to a water table, ponding, flooding, the amount of large stones, and slope. The properties that affect the traffic-supporting capacity are soil strength (as inferred from the AASHTO group index number), subsidence, linear extensibility (shrink-swell potential), the potential for frost action, depth to a water table, and ponding.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer.

Sanitary Facilities

The “[Sanitary Facilities](#)” table described in this section shows the degree and kind of soil limitations that affect septic tank absorption fields, sewage lagoons, and daily cover for landfill. Ratings in the table are in both text and numerical format. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 72 inches or between a depth of 24 inches and a restrictive layer is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils, the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

Sewage lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted soil. Nearly impervious soil material for the lagoon floor and sides is required to minimize seepage and contamination of ground water. Considered in the ratings are slope, saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, flooding, large stones, and content of organic matter.

Saturated hydraulic conductivity (Ksat) is a critical property affecting the suitability for sewage lagoons. Most porous soils eventually become sealed when they are used as sites for sewage lagoons. Until sealing occurs, however, the hazard of pollution is severe. Soils that have a Ksat rate of more than 14 micrometers per second are too porous for the proper functioning of sewage lagoons. In these soils, seepage of the effluent can result in contamination of the ground water. Ground-water contamination is also a hazard if fractured bedrock is within a depth of 40 inches, if the water table is high enough to raise the level of sewage in the lagoon, or if floodwater overtops the lagoon.

A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor. If the lagoon is to be uniformly deep throughout, the slope must be gentle enough and the soil material must be thick enough over bedrock or a cemented pan to make land smoothing practical.

Daily cover for landfill is the soil material that is used to cover compacted solid waste in an area sanitary landfill. The soil material is obtained offsite, transported to the landfill, and spread over the waste. The ratings in the table also apply to the final cover for a landfill. They are based on the soil properties that affect workability, the ease of digging, and the ease of moving and spreading the material over the refuse daily during wet and dry periods. These properties include soil texture, depth to a water table, ponding, rock fragments, slope, depth to bedrock or a cemented pan, reaction, and content of salts, sodium, or lime.

Loamy or silty soils that are free of large stones and excess gravel are the best cover for a landfill. Clayey soils may be sticky and difficult to spread; sandy soils are subject to wind erosion.

Slope affects the ease of excavation and of moving the cover material. Also, it can influence runoff, erosion, and reclamation of the borrow area.

After soil material has been removed, the soil material remaining in the borrow area must be thick enough over bedrock, a cemented pan, or the water table to permit revegetation. The soil material used as the final cover for a landfill should be suitable for plants. It should not have excess sodium, salts, or lime and should not be too acid.

Construction Materials

The titles of the tables described in this section are:

- [“Source of Gravel, Sand, and Topsoil”](#)
- [“Source of Reclamation Material and Roadfill”](#)

These tables give information about soils as potential sources of gravel, sand, topsoil, reclamation material and roadfill. Normal compaction, minor processing, and other standard construction practices are assumed.

Gravel and *sand* are natural aggregates suitable for commercial use with a minimum of processing. They are used in many kinds of construction. Specifications for each use vary widely. In the table “Source of Gravel, Sand, and Topsoil,” only the likelihood of finding material in suitable quantity is evaluated. The suitability of the material for specific purposes is not evaluated, nor are factors that affect excavation of the material. The properties used to evaluate the soil as a source of sand or gravel are gradation of grain sizes (as indicated by the Unified classification of the soil), the thickness of suitable material, and the content of rock fragments. If the bottom layer of the soil contains sand or gravel, the soil is considered a likely source regardless of thickness. The assumption is that the sand or gravel layer below the depth of observation exceeds the minimum thickness.

The soils are rated *good*, *fair*, or *poor* as potential sources of sand and gravel. A rating of *good* or *fair* means that the source material is likely to be in or below the soil. The bottom layer and the thickest layer of the soils are assigned numerical ratings. These ratings indicate the likelihood that the layer is a source of sand or gravel. The number 0.00 indicates that the layer is a poor source. The number 1.00 indicates that the layer is a good source. A number between 0.00 and 1.00 indicates the degree to which the layer is a likely source.

The rating class terms used for topsoil, reclamation material, and roadfill are *good*, *fair*, or *poor*. The features that limit the soils as sources of these materials are specified in the tables. The numerical ratings given after the specified features indicate the degree to which the features limit the soils as sources of topsoil, reclamation material, and roadfill. The lower the number is, the lesser the potential is.

Topsoil is used to cover an area so that vegetation can be established and maintained. The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area. The ratings are based on the soil properties that affect plant growth; the ease of excavating, loading, and spreading the material; and reclamation of the borrow area. Toxic substances, soil reaction, and

the properties that are inferred from soil texture, such as available water capacity and fertility, affect plant growth. The ease of excavating, loading, and spreading is affected by rock fragments, slope, depth to a water table, soil texture, and thickness of suitable material. Reclamation of the borrow area is affected by slope, depth to a water table, rock fragments, depth to bedrock or a cemented pan, and toxic material.

The surface layer of most soils is generally preferred for topsoil because of its organic matter content. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

Reclamation material is used in areas that have been drastically disturbed by surface mining or similar activities. When these areas are reclaimed, layers of soil material or unconsolidated geological material, or both, are replaced in a vertical sequence. The reconstructed soil favors plant growth. Ratings in the table do not apply to quarries and other mined areas that require an offsite source of reconstruction material. Ratings are based on soil properties that affect erosion and surface stability, and the productive potential of the reconstructed soil. These properties include content of sodium, salts, and calcium carbonate; reaction; available water capacity; erodibility; texture; content of rock fragments; and content of organic matter and other features that affect fertility.

Roadfill is soil material that is excavated in one place and used in road embankments in another place. In this table, the soils are rated as a source of roadfill for low embankments, generally less than 6 feet high and less exacting in design than higher embankments.

The ratings are for the whole soil, from the surface to a depth of about 5 feet. It is assumed soil layers will be mixed when soil material is excavated and spread.

The ratings are based on the amount of suitable material and on soil properties that affect the ease of excavation and performance of the material after it is in place. The thickness of suitable material is a major consideration. The ease of excavation is affected by large stones, depth to a water table, and slope. How well the soil performs in place after it has been compacted and drained is determined by its strength (as inferred from the American Association of State Highway and Transportation Officials (AASHTO) classification of the soil) and linear extensibility (shrink-swell potential) (AASHTO, 2000).

Water Management

The “[Ponds and Embankments](#)” table gives information on soil properties and site features that affect water management. The degree and kind of soil limitations are given for pond reservoir areas; embankments, dikes, and levees; and aquifer-fed excavated ponds. Ratings in the table are in both text and numerical format. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Pond reservoir areas hold water behind a dam or embankment. Soils best suited to this use have low seepage potential in the upper 60 inches. The seepage potential is determined by the saturated hydraulic conductivity (Ksat) of the soil and the depth to

fractured bedrock or other permeable material. Excessive slope can affect the storage capacity of the reservoir area.

Embankments, dikes, and levees are raised structures of soil material, generally less than 20 feet high, constructed to impound water or to protect land against overflow. Embankments that have zoned construction (core and shell) are not considered. In this table, the soils are rated as a source of material for embankment fill. The ratings apply to the soil material below the surface layer to a depth of 5 or 6 feet. It is assumed that soil layers will be uniformly mixed and compacted during construction.

The ratings do not indicate the ability of the natural soil to support an embankment. Soil properties to a depth even greater than the height of the embankment can affect performance and safety of the embankment. Generally, deeper onsite investigation is needed to determine these properties.

Soil material in embankments must be resistant to seepage, piping, and erosion and have favorable compaction characteristics. Unfavorable features include less than 5 feet of suitable material and a high content of stones or boulders, organic matter, or salts or sodium. A high water table affects the amount of usable material. It also affects trafficability.

Classification of the Soils

The system of soil classification used by the National Cooperative Soil Survey has six categories (Soil Survey Staff, 1999 and 2003). Beginning with the broadest, these categories are the order, suborder, great group, subgroup, family, and series. Classification is based on soil properties observed in the field or inferred from those observations or from laboratory measurements. The categories are defined in the following paragraphs.

ORDER. Twelve soil orders are recognized. The differences among orders reflect the dominant soil-forming processes and the degree of soil formation. Each order is identified by a word ending in *sol*. An example is Mollisol.

SUBORDER. Each order is divided into suborders primarily on the basis of properties that influence soil genesis and are important to plant growth or properties that reflect the most important variables within the orders. The last syllable in the name of a suborder indicates the order. An example is Xeroll (*Xer*, meaning dry, plus *oll*, from Mollisol).

GREAT GROUP. Each suborder is divided into great groups on the basis of close similarities in kind, arrangement, and degree of development of pedogenic horizons; soil moisture and temperature regimes; type of saturation; and base status. Each great group is identified by the name of a suborder and by a prefix that indicates a property of the soil. An example is Haploxerolls (*Hapl*, meaning minimal horization, plus *xeroll*, the suborder of the Mollisols that has a xeric moisture regime).

SUBGROUP. Each great group has a typic subgroup. Other subgroups are intergrades or extragrades. The typic subgroup is the central concept of the great group; it is not necessarily the most extensive. Intergrades are transitions to other orders, suborders, or great groups. Extragrades have some properties that are not representative of the great group but do not indicate transitions to any other taxonomic class. Each subgroup is identified by one or more adjectives preceding the name of the great group. The adjective *Typic* identifies the subgroup that typifies the great group. An example is Typic Haploxerolls.

FAMILY. Families are established within a subgroup on the basis of physical and chemical properties and other characteristics that affect management. Generally, the properties are those of horizons below plow depth where there is much biological activity. Among the properties and characteristics considered are particle-size class, mineralogy class, cation-exchange activity class, soil temperature regime, soil depth, and reaction class. A family name consists of the name of a subgroup preceded by terms that indicate soil properties. An example is fine-loamy, mixed, active, mesic Typic Argixerolls.

SERIES. The series consists of soils within a family that have horizons similar in color, texture, structure reaction, consistence, mineral and chemical composition, and arrangement in the profile.

The "[Taxonomic Classification of the Soils](#)" table indicates the order, suborder, great group, subgroup, and family of the soil series in the survey area.

Taxonomic Units and Their Morphology

In this section, each soil series recognized in the survey area is described. Characteristics of the soil and the material in which it formed are identified for each series. A pedon, a small three-dimensional area of soil, that is typical of the series in the survey area is described. The detailed description of each soil horizon follows standards in the *Soil Survey Manual* (Soil Survey Division Staff, 1993) and in the *Field Book for Describing and Sampling Soils* (Schoeneberger and others, 2002). Many of the technical terms used in the descriptions are defined in *Soil Taxonomy* (Soil Survey Staff, 1999) and in *Keys to Soil Taxonomy* (Soil Survey Staff, 2003). Unless otherwise indicated, colors in the descriptions are for dry soil. Following the pedon description is the range of important characteristics of the soils in the series.

Ant Flat Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Loess influenced mixed alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 20 percent

Elevation: 5,910 to 7,270 feet

Mean annual precipitation: 13 to 24 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Fine, smectitic, frigid Calcic Argixerolls

Typical Pedon

Ant Flat silty clay loam; located in an area of Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes; in shrub cover; about 2,410 feet north, 1,495 feet west of the southeast corner of section 28, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 0 minutes, 26.10 seconds north latitude and 111 degrees, 25 minutes, 49.30 seconds west longitude; UTM 464364 meters E, 4650670 meters N, zone 12 NAD83.

A1—0 to 2 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark brown (10YR 2/2) moist; strong thick platy structure parting to strong very fine granular; slightly hard, very friable, moderately sticky, moderately plastic; common very fine roots; many very fine irregular pores; 10 percent gravel; noneffervescent; neutral (pH 7.2); abrupt smooth boundary.

A2—2 to 5 inches; dark grayish brown (10YR 4/2) gravelly silty clay loam, very dark brown (10YR 2/2) moist; moderate thick platy structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; few fine and medium and common very fine roots; common fine and medium and many very fine irregular pores; 15 percent gravel; noneffervescent; neutral (pH 7.2); clear smooth boundary.

BA_t—5 to 9 inches; brown (10YR 4/3) gravelly silty clay loam, very dark grayish brown (10YR 3/2) moist; strong medium subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; few fine and common very fine roots; many very fine tubular and common very fine irregular pores; 35 percent prominent clay films on all faces of peds; 20 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.3); clear wavy boundary.

Bt1—9 to 15 inches; brown (7.5YR 5/3) gravelly clay loam, dark brown (7.5YR 3/3) moist; moderate medium and coarse prismatic structure parting to moderate fine and medium subangular blocky; very hard, friable, moderately sticky, moderately plastic; common very fine roots; many very fine tubular and common very fine irregular pores; 70 percent prominent clay films on faces of peds and in pores; 25 percent gravel; noneffervescent; neutral (pH 7.3); clear wavy boundary.

Bt2—15 to 25 inches; brown (7.5YR 5/4) gravelly clay, brown (7.5YR 5/4) moist; moderate medium and coarse prismatic structure parting to moderate medium subangular blocky; very hard, friable, very sticky, very plastic; few very fine roots; common very fine tubular and common very fine irregular pores; continuous prominent clay films on faces of peds and in pores; 25 percent gravel; noneffervescent; slightly alkaline (pH 7.5); clear wavy boundary.

Btk1—25 to 32 inches; brown (7.5YR 5/4) gravelly clay, brown (7.5YR 5/4) moist; moderate medium prismatic structure parting to strong medium angular blocky; hard, very friable, moderately sticky, very plastic; few fine and many very fine tubular pores; 70 percent prominent clay films on faces of peds and in pores; carbonate, finely disseminated; 15 percent gravel and 5 percent cobbles; strongly effervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Btk2—32 to 38 inches; light brown (7.5YR 6/4) gravelly silty clay loam, brown (7.5YR 5/4) moist; weak medium and coarse subangular blocky structure; hard, very friable, moderately sticky, moderately plastic; few fine and many very fine tubular pores; 35 percent prominent clay films on all faces of peds; carbonate, finely disseminated and 25 percent fine and medium carbonate threads and 25 percent fine and medium threadlike carbonate concretions; concentrations are violently effervescent; 15 percent gravel and 5 percent cobbles; strongly effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.

Btk3—38 to 60 inches; light brown (7.5YR 6/4) gravelly clay loam, brown (7.5YR 5/4) moist; massive; hard, very friable, moderately sticky, moderately plastic; few fine and many very fine tubular pores; 35 percent prominent clay films on all faces of peds; carbonate, finely disseminated and irregular, weakly cemented carbonate masses and irregular, weakly cemented carbonate concretions and 25 percent fine and medium, irregular carbonate threads; concentrations are violently effervescent; 20 percent gravel and 5 percent cobbles; violently effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 34 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 13 percent gravel

Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 34 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 15 to 20 percent gravel

Reaction: pH 6.6 to 7.3

BAt horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 30 to 38 percent

Content of rock fragments: 10 to 28 percent

Content of rock fragments:

- 0 to 8 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bt horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay, silty clay, silty clay loam

Clay content: 35 to 55 percent

Content of rock fragments: 10 to 25 percent gravel

Reaction: pH 6.6 to 7.8

Btk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay, silty clay loam, clay loam

Clay content: 32 to 45 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 15 to 22 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Reaction: pH 7.8 to 8.4

Btk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam, sandy clay loam, clay

Clay content: 25 to 45 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 15 to 22 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Btk3 horizon:

Organic matter content: 0 to 0.50 percent

Clay content: 30 to 42 percent

Texture (less than 2 mm): Clay loam, silty clay loam, sandy clay loam, or clay

Content of rock fragments:

- 0 to 8 percent cobbles
- 10 to 20 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Arbone Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, plateaus, ridges

Parent material: Loess influenced mixed alluvium, slope alluvium, and/or mixed colluvium

Slope range: 1 to 25 percent

Soil Survey of Bear Lake County Area, Idaho

Elevation: 5,820 to 7,490 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 37 to 45 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Arbone silt loam; located in an area of Springhollow-Arbone complex, dry, 4 to 12 percent slopes; in rangeland; 1,174 feet east, 1,773 feet south of the northwest corner of section 25, T 16 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 0 minutes, 40.20 seconds north latitude and 111 degrees, 8 minutes, 41.20 seconds west longitude; UTM 488013 meters E, 4651027 meters N, zone 12 NAD83.

- A1—0 to 5 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; strong thick platy structure parting to strong very fine and fine granular; soft, very friable, slightly sticky, slightly plastic; many very fine roots; many very fine irregular pores; 10 percent gravel; noneffervescent; clear smooth boundary.
- A2—5 to 9 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; strong very thick platy structure parting to moderate coarse subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; 5 percent gravel; noneffervescent; clear smooth boundary.
- Bw—9 to 18 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate medium and coarse subangular blocky structure; hard, friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; 5 percent gravel; noneffervescent; clear smooth boundary.
- Bk1—18 to 23 inches; pale brown (10YR 6/3) silt loam, yellowish brown (10YR 5/4) moist; moderate fine and medium subangular blocky structure; hard, friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; 10 percent fine and medium irregular carbonate masses; 5 percent gravel; strongly effervescent; (18 percent calcium-carbonate equivalent); clear wavy boundary.
- Bk2—23 to 34 inches; pale brown (10YR 6/3) silt loam, yellowish brown (10YR 5/4) moist; moderate fine and medium subangular blocky structure; hard, friable, slightly sticky, moderately plastic; few very fine and fine roots; many very fine tubular pores; 20 percent fine and medium irregular carbonate masses; 5 percent gravel; violently effervescent; (22 percent calcium-carbonate equivalent); clear wavy boundary.
- Bck1—34 to 60 inches; very pale brown (10YR 7/3) gravelly silt loam, light yellowish brown (10YR 6/4) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few very fine and fine roots; many very fine tubular pores; 30 percent fine and coarse irregular very pale brown (10YR 8/2), dry, carbonate masses; 20 percent gravel; violently effervescent; (38 percent calcium-carbonate equivalent); clear wavy boundary.
- Bck2—60 to 70 inches; very pale brown (10YR 8/3) gravelly silt loam, light yellowish brown (10YR 6/4) moist; massive; soft, very friable, slightly sticky, slightly plastic; few very fine roots; many very fine tubular pores; 30 percent fine and coarse irregular carbonate masses; 20 percent gravel; violently effervescent.

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 13 to 18 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.2

A2 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 13 to 18 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.2

B_{ck} horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 13 to 18 percent
Content of rock fragments:

- 0 to 3 percent cobbles
- 11 to 37 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent
Reaction: pH 7.8 to 8.4

B_k horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam
Clay content: 13 to 18 percent
Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 5 to 25 percent
Reaction: pH 7.8 to 8.4

B_w horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 13 to 18 percent
Content of rock fragments: 0 to 20 percent gravel
Reaction: pH 7.0 to 7.6

Bailcreek Series

Depth class: Very deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (K_{sat}): Very low
Landform: Hillslopes, mountain slopes
Parent material: Mixed clayey slope alluvium and/or colluvium
Slope range: 4 to 50 percent
Elevation: 6,040 to 7,090 feet
Mean annual precipitation: 18 to 24 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Clayey-skeletal, smectitic Vertic Argicryolls

Typical Pedon

Bailcreek stony loam; located in an area of Bailcreek-Dranburn complex, 10 to 50 percent slopes; in forestland; 1,110 ft east and 2,355 feet south of the northwest corner of section 20, T 10 S., R 42 E.; Soda Peak, Idaho USGS quadrangle; 42 degrees, 32 minutes, 25.10 seconds north latitude and 111 degrees, 34 minutes, 43.60 seconds west longitude; UTM 452474 meters E, 4709932 meters N, zone 12 NAD83.

Oi—0 to 1 inches; slightly decomposed plant material.

A1—1 to 6 inches; dark grayish brown (10YR 4/2) stony loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, friable, slightly sticky, slightly plastic; common very fine, fine, medium, and coarse roots; common very fine and fine interstitial pores; 10 percent gravel, 5 percent cobbles, and 10 percent stones; slightly acid (pH 6.4); clear smooth boundary.

A2—6 to 14 inches; dark grayish brown (10YR 4/2) very cobbly loam, very dark grayish brown (10YR 3/2) moist; moderate fine subangular blocky structure parting to moderate fine granular; soft, firm, slightly sticky, slightly plastic; common very fine and fine and common medium and coarse roots; common very fine and fine interstitial pores; 10 percent gravel and 25 percent cobbles; slightly acid (pH 6.4); clear smooth boundary.

Bt—14 to 19 inches; grayish brown (10YR 5/2) very cobbly silty clay, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; very hard, very firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 80 percent distinct clay films on faces of peds and in pores; 10 percent gravel and 30 percent cobbles; slightly acid (pH 6.4); gradual wavy boundary.

Btss1—19 to 32 inches; yellowish brown (10YR 5/4) very cobbly clay, brown (10YR 4/3) moist; strong medium prismatic structure parting to strong medium angular blocky; very hard, very firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 10 percent slickensides (pedogenic) and 80 percent distinct clay films on faces of peds and in pores; 10 percent gravel and 40 percent cobbles; slightly acid (pH 6.4); gradual wavy boundary.

Btss2—32 to 43 inches; yellowish brown (10YR 5/6) very cobbly clay, dark yellowish brown (10YR 4/6) moist; strong medium prismatic structure parting to strong medium angular blocky; very hard, very firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 10 percent slickensides (pedogenic) and 80 percent distinct clay films on faces of peds and in pores; 10 percent gravel and 40 percent cobbles; slightly acid (pH 6.4); gradual wavy boundary.

Btk—43 to 60 inches; yellowish brown (10YR 5/4) very cobbly clay, brown (10YR 4/3) moist; moderate medium prismatic structure parting to moderate fine and medium angular blocky; very hard, very firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 10 percent carbonate coats on bottom surfaces of rock fragments and 40 percent distinct clay films on faces of peds and in pores; 10 percent fine carbonate threads and masses; 12 percent gravel and 30 percent cobbles; strongly effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: 7 to 19 inches to abrupt textural change

Oi horizon(s):

Texture: Slightly decomposed plant material

A1 horizon(s):

Organic matter content: 4 to 6 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 10 to 20 percent stones
- 0 to 5 percent cobbles
- 5 to 15 percent gravel

Reaction: pH 6.1 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 10 to 25 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Bt horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay, silty clay loam

Clay content: 33 to 55 percent

Content of rock fragments:

- 0 to 5 percent stones
- 20 to 30 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Btss1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay, silty clay

Clay content: 40 to 55 percent

Content of rock fragments:

- 0 to 5 percent stones
- 20 to 40 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Btss2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay, clay

Clay content: 40 to 55 percent

Content of rock fragments:

- 0 to 5 percent stones
- 20 to 40 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Btk horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay, clay

Clay content: 40 to 55 percent

Content of rock fragments:

- 0 to 5 percent stones
- 20 to 40 percent cobbles
- 9 to 22 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.1

Bancroft Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced silty alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 25 percent

Elevation: 5,850 to 6,670 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Bancroft silt loam; located in an area of Bancroft silt loam, 1 to 4 percent slopes; in shrub cover; 1,132 feet east and 2,034 feet north of the southwest corner of section 15, T 10 S., R 43 E.; Fossil Canyon, Idaho USGS quadrangle; 42 degrees, 33 minutes, 7.70 seconds north latitude and 111 degrees, 25 minutes, 21.90 seconds west longitude; UTM 465294 meters E, 4711171 meters N, zone 12 NAD83.

A—0 to 4 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and common medium and coarse roots; many very fine irregular pores; noneffervescent; neutral (pH 7.0); clear wavy boundary.

AB—4 to 12 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure parting to strong coarse granular; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine and common medium and coarse roots; many very fine tubular pores; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.

Bt1—12 to 18 inches; yellowish brown (10YR 5/4) silt loam, dark yellowish brown (10YR 3/4) moist; moderate fine subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; common very fine, fine, and medium roots; common very fine and fine tubular pores; 30 percent discontinuous distinct clay films on faces of peds and in pores; noneffervescent; neutral (pH 7.2); clear wavy boundary.

Bt2—18 to 32 inches; yellowish brown (10YR 5/4) silt loam, dark yellowish brown (10YR 4/4) moist; moderate medium angular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; common fine and many very fine tubular pores; 35 percent discontinuous distinct clay films on faces of peds and in pores; noneffervescent; neutral (pH 7.3); abrupt smooth boundary.

Bt3—32 to 39 inches; yellowish brown (10YR 5/4) silt loam, dark yellowish brown (10YR 4/4) moist; weak fine prismatic structure parting to moderate fine angular blocky; hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; common very fine and fine tubular pores; 30 percent discontinuous distinct clay films on faces of peds and in pores; 2 percent gravel; noneffervescent; slightly alkaline (pH 7.4); abrupt wavy boundary.

- Bk1—39 to 46 inches; very pale brown (10YR 7/4) silt loam, dark yellowish brown (10YR 4/4) moist; weak very fine prismatic structure parting to moderate fine angular blocky; slightly hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; few fine and common very fine tubular pores; 15 percent fine irregular carbonate masses throughout; 2 percent gravel; violently effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.
- Bk2—46 to 60 inches; very pale brown (10YR 7/3) loam, dark yellowish brown (10YR 4/4) moist; massive; slightly hard, firm, slightly sticky, slightly plastic; few very fine roots; common very fine and fine tubular pores; 25 percent fine irregular carbonate masses throughout; 5 percent gravel; violently effervescent; strongly alkaline (pH 8.5).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 15 to 20 percent
Reaction: pH 6.6 to 7.5

AB horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 15 to 20 percent
Reaction: pH 6.6 to 7.5

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 18 to 32 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 6.4 to 7.6

Bt2 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 18 to 32 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 6.4 to 7.6

Bt3 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 18 to 32 percent
Content of rock fragments: 0 to 5 percent gravel
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 6.4 to 7.6

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 10 to 27 percent
Content of rock fragments: 0 to 5 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 8.0 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 10 to 27 percent
Content of rock fragments: 0 to 5 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 8.0 to 8.5

Bear Lake Series

Depth class: Very deep
Drainage class: Poorly and very poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Flood plains
Parent material: Mixed silty and clayey alluvium
Slope range: 0 to 2 percent
Elevation: 5,810 to 6,570 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Typic Calciaquolls

Typical Pedon

Bear Lake silty clay loam; located in an area of Bear Lake-Bear Lake, ponded complex, 0 to 1 percent slopes; in rangeland; 1,932 feet east, 522 feet south of the northwest corner of section 14, T 14 S., R 44 E.; Dingle, Idaho USGS quadrangle; 42 degrees, 12 minutes, 38.00 seconds north latitude and 111 degrees, 16 minutes, 48.10 seconds west longitude; UTM 476886 meters E, 4673195 meters N, zone 12 NAD83.

Oi—0 to 2 inches; slightly decomposed plant material; abrupt smooth boundary.

A—2 to 10 inches; dark gray (10YR 4/1) silty clay loam, very dark gray (10YR 3/1) moist; moderate coarse prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common fine and many very fine roots; common very fine and fine tubular and few very fine irregular pores; 1 percent fine irregular carbonate masses; slightly effervescent; moderately alkaline (pH 8.2); disseminated lime; (14 percent calcium-carbonate equivalent); abrupt wavy boundary.

Bkg1—10 to 22 inches; light gray (10YR 7/2) silty clay loam, dark grayish brown (10YR 4/2) moist; 1 percent medium prominent gray (5Y 5/1) mottles; moderate coarse prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few fine and common very fine roots; few fine and common very fine tubular pores; 1 percent shell fragments and 10 percent fine irregular carbonate masses; strongly effervescent; moderately alkaline (pH 8.3); disseminated lime; (32 percent calcium-carbonate equivalent); clear wavy boundary.

Bkg2—22 to 37 inches; light brownish gray (10YR 6/2) silty clay loam, grayish brown (10YR 5/2) moist; 1 percent fine distinct black (N 2/0) and 10 percent medium prominent dark gray (5Y 4/1) mottles; moderate fine and medium subangular blocky structure; hard, friable, slightly sticky, slightly plastic; few fine and common very fine roots; few very fine and fine irregular and few very fine tubular pores;

5 percent shell fragments and 10 percent fine and medium irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.3); disseminated lime; (36 percent calcium-carbonate equivalent); clear wavy boundary.

Bkg3—37 to 46 inches; light brownish gray (10YR 6/2) silt loam, grayish brown (10YR 5/2) moist; 1 percent fine prominent black (N 2/0) and 10 percent fine faint gray (10YR 6/1) and 10 percent medium prominent gray (5Y 5/1) mottles; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; few very fine roots; common very fine vesicular and few very fine irregular and tubular pores; 10 percent fine irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.2); disseminated lime; (28 percent calcium-carbonate equivalent); clear wavy boundary.

Bkg4—46 to 58 inches; light gray (10YR 7/2) silt loam, pale brown (10YR 6/3) moist; 10 percent medium prominent gray (5Y 5/1) mottles; weak medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; few very fine roots; few very fine tubular pores; 15 percent fine irregular carbonate masses and 15 percent fine irregular carbonate concretions; strongly effervescent; moderately alkaline (pH 8.1); disseminated lime; (21 percent calcium-carbonate equivalent); clear wavy boundary.

Cg—58 to 63 inches; gray (10YR 6/1) silty clay loam, dark gray (10YR 4/1) moist; 1 percent fine distinct black (N 2/0) and 10 percent medium prominent dark gray (5Y 4/1) and 10 percent fine and medium distinct brown (7.5YR 4/4) mottles; massive; very hard, firm, slightly sticky, slightly plastic; few very fine roots; few very fine tubular pores; 10 percent shell fragments; strongly effervescent; moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Bear Lake

Seasonal high water table:

- Month(s): January through December
- Depth: 10 to 18 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

Bear Lake Ponded

Seasonal high water table:

- Month(s): January through December
- Depth: 0 to 10 inches

Ponding:

- Month(s): January, February, March, April, May, June, July, August
- Frequency: Frequent
- Duration: Very long
- Depth: 0 to 24 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

Oi horizon(s):

Texture: Slightly decomposed plant material

A horizon(s):

Organic matter content: 3 to 6 percent

Texture (less than 2 mm): Silty clay loam

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Clay content: 28 to 33 percent
Calcium-carbonate equivalent: 10 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bkg1 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 22 to 33 percent
Calcium-carbonate equivalent: 15 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.4

Bkg2 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 22 to 33 percent
Calcium-carbonate equivalent: 15 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.4

Bkg3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 18 to 34 percent
Calcium-carbonate equivalent: 10 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.6

Bkg4 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 18 to 34 percent
Calcium-carbonate equivalent: 10 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.6

Cg horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 18 to 34 percent
Calcium-carbonate equivalent: 10 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.6

Bearbeach Series

Depth class: Very deep
Drainage class: Very poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Lake terraces

Soil Survey of Bear Lake County Area, Idaho

Parent material: Mixed sandy and gravelly alluvium

Slope range: 0 to 2 percent

Elevation: 5,930 to 5,980 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Sandy-skeletal, mixed, frigid Typic Endoaquepts

Typical Pedon

Bearbeach muck; located in an area of Sadducee-Bearbeach complex, 0 to 2 percent slopes; in rangeland; 2,398 feet north, 2,398 feet east of the southwest corner of section 24, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 6 minutes, 13.60 seconds north latitude and 111 degrees, 22 minutes, 36.90 seconds west longitude; UTM 468835 meters E, 4661364 meters N, zone 12 NAD83.

Oa—0 to 3 inches; dark brown (7.5YR 3/4) muck; clear wavy boundary.

Ag—3 to 6 inches; gray (10YR 5/1) mucky sandy loam, very dark gray (10YR 3/1) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine and few medium roots; many very fine and fine tubular and many medium tubular pores; 10 percent medium prominent strong brown (7.5YR 5/6) masses of oxidized iron throughout; carbonate, finely disseminated throughout; 5 percent gravel; moderately alkaline (pH 7.9); clear wavy boundary.

Cg1—6 to 15 inches; light gray (10YR 7/1) very gravelly loamy coarse sand, gray (10YR 5/1) moist; massive; loose, nonsticky, nonplastic; few medium and common very fine roots; few fine tubular and many medium tubular pores; carbonate, finely disseminated throughout; 40 percent gravel; moderately alkaline (pH 7.9); gradual wavy boundary.

Cg2—15 to 60 inches; gray (2.5Y 6/1) extremely gravelly loamy coarse sand, gray (2.5Y 5/1) moist; single grain; loose, nonsticky, nonplastic; carbonate, finely disseminated throughout; 85 percent gravel; moderately alkaline (pH 7.9).

Range in Characteristics

Depth to restrictive feature: 6 to 33 inches to strongly contrasting textural stratification

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, June, July, August, September, October, December
- Depth: 0 to 18 inches

Oa horizon(s):

Texture: Muck

Ag horizon(s):

Organic matter content: 10 to 15 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 10 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.9 to 8.4

Cg1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loamy coarse sand, loamy sand, coarse sandy loam

Clay content: 2 to 10 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 40 to 85 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Reaction: pH 7.9 to 8.4

Cg2 horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Loamy coarse sand, sand

Clay content: 2 to 10 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 70 to 90 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Reaction: pH 7.9 to 8.4

Bearbou Series

Depth class: Very deep

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Flood plains

Parent material: Mixed silty and clayey alluvium over mixed gravelly alluvium

Slope range: 0 to 2 percent

Elevation: 5,860 to 6,700 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Typic Endoaquolls

Typical Pedon

Bearbou silt loam; located in an area of Bearbou silt loam, 0 to 2 percent slopes; in rangeland; 1,751 feet west and 2,170 feet south of the northeast corner of section 9, T 10 S., R 42 E.; Soda Peak, Idaho USGS quadrangle; 42 degrees, 34 minutes, 11.60 seconds north latitude and 111 degrees, 33 minutes, 4.70 seconds west longitude; UTM 454751 meters E, 4713200 meters N, zone 12 NAD83.

A—0 to 3 inches; dark gray (10YR 4/1) silt loam, black (10YR 2/1) moist; moderate very fine and fine subangular blocky structure; hard, friable, moderately sticky, moderately plastic; many very fine and fine and common medium roots; many very fine, fine, and medium irregular and tubular pores; neutral (pH 7.2); clear smooth boundary.

Bw1—3 to 9 inches; dark gray (10YR 4/1) silty clay loam, black (10YR 2/1) moist; moderate fine and medium angular blocky structure; very hard, firm, very sticky, very plastic; common very fine and fine and few medium roots; common very fine and fine and few medium tubular pores; neutral (pH 7.2); clear smooth boundary.

Bw2—9 to 22 inches; gray (10YR 5/1) silty clay loam, very dark gray (10YR 3/1) moist; moderate fine and medium angular blocky structure; very hard, firm, very sticky, very plastic; common very fine and fine roots; common very fine and fine and few

medium tubular pores; 1 percent fine, prominent, irregular yellowish brown (10YR 5/6) dry, masses of oxidized iron throughout; slightly alkaline (pH 7.4); abrupt smooth boundary.

Bg1—22 to 28 inches; greenish gray (5GY 6/1) silty clay, dark greenish gray (5GY 4/1) moist; weak medium prismatic structure parting to weak medium and coarse subangular blocky; very hard, very friable, very sticky, very plastic; few fine and many very fine roots; many very fine and few fine tubular pores; 1 percent fine, prominent, irregular dark yellowish brown (10YR 4/4) moist, masses of oxidized iron throughout; neutral (pH 6.9); clear smooth boundary.

Bg2—28 to 36 inches; greenish gray (5GY 6/1) gravelly clay loam, dark greenish gray (5GY 4/1) moist; weak medium prismatic structure parting to weak medium and coarse subangular blocky; very hard, firm, very sticky, very plastic; 1 percent fine and medium prominent irregular yellowish brown (10YR 5/8) masses of oxidized iron throughout and 1 percent fine prominent irregular brownish yellow (10YR 6/8) dry, masses of oxidized iron throughout; 20 percent gravel; neutral (pH 7.0); clear wavy boundary.

2Cg—36 to 60 inches; light gray (5Y 7/1) very gravelly loam, dark greenish gray (5GY 4/1) moist; massive; hard, friable, moderately sticky, slightly plastic; 1 percent fine and medium prominent irregular olive yellow (5Y 6/6) masses of oxidized iron throughout and 1 percent medium distinct irregular greenish gray (5GY 6/1) dry, masses of oxidized iron throughout; carbonate, finely disseminated; 40 percent gravel and 5 percent cobbles; slightly effervescent; slightly alkaline (pH 7.5).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 9 to 31 inches

Flooding:

- Month(s): March, April, May
- Frequency: Rare

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 24 percent

Reaction: pH 6.6 to 7.3

Bw1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam, silty clay

Clay content: 35 to 45 percent

Reaction: pH 6.6 to 7.6

Bw2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay, silty clay loam

Clay content: 35 to 45 percent

Reaction: pH 6.6 to 7.6

Bg1 horizon(s):

Organic matter content: 0.25 to 0.70 percent

Texture (less than 2 mm): Silty clay loam, silty clay

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Clay content: 35 to 45 percent

Reaction: pH 6.6 to 7.3

Bg2 horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Silty clay, silty clay loam, clay loam

Clay content: 35 to 45 percent

Content of rock fragments: 5 to 25 percent gravel

Reaction: pH 6.6 to 7.3

2Cg horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Clay loam, sandy clay loam, loam

Clay content: 22 to 35 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 35 to 65 percent gravel

Reaction: pH 7.2 to 7.8

Bearhollow Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Mixed alluvium, slope alluvium, and/or mixed colluvium

Slope range: 4 to 35 percent

Elevation: 5,910 to 6,940 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Typic Calcixerepts

Typical Pedon

Bearhollow gravelly loam; located in an area of Bearhollow-Brifox-lphil complex, 12 to 35 percent slopes; in rangeland; 2,282 feet east and 1,416 feet south of the northwest corner of section 7, T 13 S., R 45 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 18 minutes, 35.80 seconds north latitude and 111 degrees, 14 minutes, 22.40 seconds west longitude; UTM 480257 meters E, 4684218 meters N, zone 12 NAD83.

A—0 to 6 inches; pale brown (10YR 6/3) gravelly loam, dark brown (10YR 3/3) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; common very fine and medium roots; few fine and many very fine irregular pores; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); (42 percent calcium-carbonate equivalent); abrupt smooth boundary.

Bk1—6 to 11 inches; very pale brown (10YR 7/3) loam, brown (10YR 5/3) moist; moderate medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine and medium roots; few fine and common very fine tubular pores; 30 percent fine and medium irregular carbonate masses; 3 percent gravel; violently effervescent; moderately alkaline (pH 8.4); (23 percent calcium-carbonate equivalent); clear wavy boundary.

Bk2—11 to 20 inches; very pale brown (10YR 7/4) loam, brown (10YR 5/3) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly

sticky, slightly plastic; few medium and very fine roots; few fine and many very fine tubular pores; 20 percent very strongly cemented carbonate nodules and 30 percent fine and medium irregular carbonate masses; 3 percent gravel; violently effervescent; moderately alkaline (pH 8.4); (18 percent calcium-carbonate equivalent); clear wavy boundary.

Bk3—20 to 24 inches; very pale brown (10YR 7/3) loam, yellowish brown (10YR 5/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; few medium and very fine roots; many very fine tubular pores; 10 percent fine irregular carbonate masses; 5 percent gravel; violently effervescent; moderately alkaline (pH 8.4); disseminated lime; (13 percent calcium-carbonate equivalent); clear wavy boundary.

Bck—24 to 33 inches; very pale brown (10YR 7/3) fine sandy loam, yellowish brown (10YR 5/4) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few medium and very fine roots; few fine and medium and many very fine tubular pores; 1 percent fine irregular carbonate masses; 3 percent gravel; violently effervescent; moderately alkaline (pH 8.4); (25 percent calcium-carbonate equivalent); gradual wavy boundary.

2Ck1—33 to 44 inches; pale yellow (2.5Y 7/4) loamy fine sand, light olive brown (2.5Y 5/4) moist; 1 percent fine prominent yellowish brown (10YR 5/6) mottles; massive; soft, very friable, nonsticky, nonplastic; few medium and very fine roots; few fine and many very fine tubular pores; 1 percent fine irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.4); (25 percent calcium-carbonate equivalent); abrupt wavy boundary.

3Ck2—44 to 62 inches; light gray (2.5Y 7/2) silty clay loam, light brownish gray (2.5Y 6/2) moist; 10 percent fine prominent yellowish brown (10YR 5/6) mottles; massive; slightly hard, friable, slightly sticky, slightly plastic; few very fine and fine roots; common very fine tubular pores; 10 percent fine irregular carbonate masses; violently effervescent; strongly alkaline (pH 8.6); disseminated lime; (9 percent calcium-carbonate equivalent).

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to abrupt textural change

A horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam

Clay content: 13 to 18 percent

Content of rock fragments: 17 to 35 percent gravel

Calcium-carbonate equivalent: 25 to 40 percent

Sodium-adsorption ratio: 0 to 8

Reaction: pH 7.9 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 17 percent

Content of rock fragments: 0 to 20 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 0 to 10

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 17 percent

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Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 10 to 25 percent
Sodium-adsorption ratio: 0 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 10 to 17 percent
Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 10 to 25 percent
Sodium-adsorption ratio: 0 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Bck horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Fine sandy loam, sandy loam
Clay content: 6 to 17 percent
Content of rock fragments: 0 to 13 percent gravel
Calcium-carbonate equivalent: 20 to 30 percent
Sodium-adsorption ratio: 0 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

2Ck1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loamy fine sand, sandy loam
Clay content: 3 to 9 percent
Content of rock fragments: 0 to 6 percent gravel
Calcium-carbonate equivalent: 20 to 30 percent
Sodium-adsorption ratio: 0 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

3Ck2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 27 to 35 percent
Content of rock fragments: 0 to 6 percent gravel
Calcium-carbonate equivalent: 5 to 20 percent
Sodium-adsorption ratio: 0 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Beehunt Series

Depth class: Very deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Colluvium derived from sandstone
Slope range: 20 to 65 percent
Elevation: 5,990 to 7,380 feet
Mean annual precipitation: 13 to 16 inches

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Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Pachic Haploxerolls

Typical Pedon

Beehunt extremely gravelly loam; located in an area of Cooley-Beehunt complex, dry, 20 to 65 percent slopes; in shrub cover; 2,569 feet west, 646 feet south of the northeast corner of section 30, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 5 minutes, 39.70 seconds north latitude and 111 degrees, 14 minutes, 18.80 seconds west longitude; UTM 480272 meters E, 4660282 meters N, zone 12 NAD83.

A1—0 to 8 inches; very dark grayish brown (10YR 3/2) extremely gravelly loam, black (10YR 2/1) moist; moderate very fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, and medium and common coarse roots; many fine interstitial pores; 45 percent gravel, 10 percent cobbles, and 10 percent stones; noneffervescent; neutral (pH 7.2); clear wavy boundary.

A2—8 to 21 inches; brown (10YR 5/3) extremely cobbly loam, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, and medium and common coarse roots; many fine interstitial pores; 45 percent gravel, 20 percent cobbles, and 10 percent stones; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

BA—21 to 37 inches; pinkish gray (7.5YR 6/2) extremely cobbly loam, brown (7.5YR 5/4) moist; moderate fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; common very fine interstitial and tubular pores; 45 percent gravel, 20 percent cobbles, and 10 percent stones; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Bt—37 to 54 inches; light brown (7.5YR 6/4) extremely cobbly loam, brown (7.5YR 5/4) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, nonplastic; common very fine, fine, and medium roots; common fine and many very fine tubular and common very fine interstitial pores; 15 percent faint clay bridges between sand grains; 45 percent gravel, 20 percent cobbles, and 10 percent stones; noneffervescent; slightly alkaline (pH 7.6); clear wavy boundary.

BC—54 to 65 inches; light brown (7.5YR 6/4) extremely cobbly loam, brown (7.5YR 5/4) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; common very fine tubular and many very fine interstitial pores; 35 percent gravel, 30 percent cobbles, and 10 percent stones; noneffervescent; slightly alkaline (pH 7.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 23 percent

Content of rock fragments:

- 5 to 10 percent stones
- 10 to 20 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 6.6 to 7.8

A2 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 23 percent

Content of rock fragments:

- 5 to 10 percent stones
- 10 to 20 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 6.6 to 7.8

BA horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 16 to 25 percent

Content of rock fragments:

- 5 to 10 percent stones
- 10 to 20 percent cobbles
- 40 to 55 percent gravel

Reaction: pH 6.6 to 7.8

Bt horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 27 percent

Content of rock fragments:

- 5 to 10 percent stones
- 10 to 30 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 6.6 to 7.8

BC horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 16 to 25 percent

Content of rock fragments:

- 5 to 10 percent stones
- 20 to 30 percent cobbles
- 30 to 55 percent gravel

Reaction: pH 6.6 to 7.8

Benning Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants

Parent material: Loess influenced mixed alluvium over gravelly alluvium

Slope range: 1 to 4 percent

Elevation: 5,910 to 6,510 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Pachic Calcixerolls

Typical Pedon

Benning silt loam; located in an area of Benning silt loam, 1 to 4 percent slopes; 2,700 feet east and 2,700 feet south of the northwest corner of section 7, T 11 S., R 44 E.; Georgetown, Idaho USGS quadrangle; 42 degrees, 28 minutes, 50.70 seconds north latitude and 111 degrees, 21 minutes, 28.90 seconds west longitude; UTM 470574 meters E, 4703218 meters N, zone 12 NAD83.

- A—0 to 7 inches; dark grayish brown (10YR 4/2) silt loam, very dark gray (10YR 3/1) moist; weak fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine interstitial and tubular pores; 5 percent gravel; slightly effervescent; moderately alkaline (pH 7.9); disseminated lime; abrupt smooth boundary.
- Bk1—7 to 18 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate coarse prismatic structure parting to moderate very fine subangular blocky; slightly hard, friable, slightly sticky, slightly plastic; common fine and very fine roots; common very fine, fine, and medium tubular pores; 1 percent fine spherical lime masses; 10 percent gravel; slightly effervescent; moderately alkaline (pH 7.9); disseminated lime; clear smooth boundary.
- Bk2—18 to 28 inches; grayish brown (10YR 5/2) silty clay loam, very dark gray (10YR 3/1) moist; moderate medium prismatic structure parting to moderate very fine and fine subangular blocky; slightly hard, friable, moderately sticky, moderately plastic; common fine and very fine roots; common very fine, fine, and medium tubular pores; 2 percent fine spherical lime masses; 10 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); disseminated lime; gradual smooth boundary.
- Bk3—28 to 37 inches; dark grayish brown (10YR 4/2) gravelly silty clay loam, very dark gray (10YR 3/1) moist; moderate coarse prismatic structure parting to moderate fine subangular blocky; hard, friable, moderately sticky, moderately plastic; common very fine and fine roots; common very fine, fine, and medium tubular pores; 2 percent fine spherical lime masses; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); disseminated lime; gradual wavy boundary.
- Bk4—37 to 49 inches; grayish brown (10YR 5/2) silt loam, dark grayish brown (10YR 4/2) moist; 2 percent medium distinct brown (7.5YR 5/4) mottles; mottles occur in lighter soil matrix; about 50% of the horizon consists of pockets of darker soil from old animal burrows; massive; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine interstitial and tubular pores; 2 percent fine spherical lime masses; 10 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); disseminated lime; clear smooth boundary.
- 2Bkq—49 to 60 inches; brown (10YR 5/3) extremely gravelly silt loam, dark grayish brown (10YR 4/2) moist; 2 percent medium distinct brown (7.5YR 5/4) mottles; massive; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine tubular and common fine and medium interstitial pores; disseminated lime and 2 percent medium spherical lime masses; 55 percent gravel and 15 percent cobbles; violently effervescent; moderately alkaline (pH 8.0); weak silica cementation on all sides of coarse fragments; size and percent of cobbles increases below 58".

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam
Clay content: 20 to 24 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam
Clay content: 20 to 24 percent
Content of rock fragments: 5 to 13 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 27 to 33 percent
Content of rock fragments: 5 to 25 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 27 to 33 percent
Content of rock fragments: 5 to 25 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bk4 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam
Clay content: 20 to 24 percent
Content of rock fragments: 5 to 13 percent gravel
Calcium-carbonate equivalent: 15 to 35 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

2Bkq horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam
Clay content: 20 to 24 percent
Content of rock fragments:

- 10 to 20 percent cobbles
- 50 to 60 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bern Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Stream terraces

Parent material: Loess influenced mixed alluvium

Slope range: 0 to 2 percent

Elevation: 5,870 to 6,490 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Oxyaquic Calcixerolls

Typical Pedon

Bern silt loam; located in an area of Bern silt loam, 0 to 2 percent slopes; 72 feet east, 1,283 north of the southwest corner of section 27, T 12 S., R 44 E.; Montpelier, Idaho USGS quadrangle; 42 degrees, 20 minutes, 47.50 seconds north latitude and 111 degrees, 18 minutes, 23.80 seconds west longitude; UTM 474746 meters E, 4688299 meters N, zone 12 NAD83.

A1—0 to 3 inches; brown (10YR 5/3) silt loam, very dark brown (10YR 2/2) broken and very dark grayish brown (10YR 3/2) crushed moist; strong thin platy structure parting to strong fine granular; slightly hard, very friable, slightly sticky, moderately plastic; many very fine and few fine and medium roots; many very fine and few fine and medium irregular pores; slightly effervescent; slightly alkaline (pH 7.6); disseminated lime; (<2 percent calcium-carbonate equivalent); abrupt smooth boundary.

A2—3 to 9 inches; brown (10YR 5/3) silt loam, dark brown (7.5YR 3/2) broken and crushed moist; strong medium and coarse granular structure; hard, friable, moderately sticky, moderately plastic; common very fine, fine, medium, and coarse roots; many very fine and few fine tubular and many very fine and few fine irregular pores; slightly effervescent; slightly alkaline (pH 7.8); 1 percent very hard 5-mm nodules; disseminated lime; (<2 percent calcium-carbonate equivalent); gradual smooth boundary.

ABk—9 to 16 inches; brown (7.5YR 4/2) silty clay loam, dark brown (7.5YR 3/2) broken and crushed moist; strong medium and coarse granular structure; hard, friable, moderately sticky, moderately plastic; few fine and common very fine and coarse roots; many very fine, few fine, and common medium tubular pores; 20 percent fine irregular carbonate masses; slightly effervescent; slightly alkaline (pH 7.8); 1 percent very hard 5-mm nodules; disseminated lime; (5 percent calcium-carbonate equivalent); clear smooth boundary.

Btk—16 to 26 inches; light brown (7.5YR 6/4) silty clay loam, dark brown (7.5YR 3/4) broken and brown (7.5YR 4/4) crushed moist; strong fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine roots; many very fine, few fine, and common medium tubular pores; 15 percent faint clay films; 20 percent fine irregular carbonate masses; violently

effervescent; moderately alkaline (pH 8.2); disseminated lime; (25 percent calcium-carbonate equivalent); gradual smooth boundary.

Bk1—26 to 34 inches; pale brown (10YR 6/3) silt loam, brown (10YR 4/3) broken and crushed moist; weak very thick platy structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and few fine roots; many very fine and few fine tubular pores; 30 percent fine and medium irregular carbonate masses; violently effervescent; strongly alkaline (pH 8.6); 1 percent very hard 5-mm nodules; disseminated lime; (35 percent calcium-carbonate equivalent); clear smooth boundary.

Bk2—34 to 47 inches; pale brown (10YR 6/3) silty clay loam, brown (7.5YR 4/2) broken and brown (10YR 4/3) crushed moist; moderate medium and coarse subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine roots; few very fine tubular pores; 10 percent fine prominent strong brown (7.5YR 5/6) moist, masses of oxidized iron; 20 percent fine irregular carbonate masses; violently effervescent; strongly alkaline (pH 8.6); 15 percent of horizon has very dark gray (10YR 3/1) moist, horizontal and angled bands; disseminated lime; (45 percent calcium-carbonate equivalent); clear wavy boundary.

C1—47 to 55 inches; light yellowish brown (10YR 6/4) silt loam, brown (7.5YR 4/2) broken and dark yellowish brown (10YR 4/4) crushed moist; massive; slightly hard, friable, slightly sticky, slightly plastic; common very fine tubular pores; 20 percent fine prominent black (N 2/0) moist, iron depletions and 20 percent medium prominent strong brown (7.5YR 4/6) moist, masses of oxidized iron; slightly effervescent; moderately alkaline (pH 8.2); disseminated lime; (<2 percent calcium-carbonate equivalent); abrupt smooth boundary.

C2—55 to 65 inches; light brown (7.5YR 6/4) very fine sandy loam, reddish brown (5YR 4/4) broken and brown (10YR 4/3) crushed moist; massive; slightly hard, very friable, nonsticky, nonplastic; common very fine tubular pores; 20 percent medium prominent masses of oxidized iron; very slightly effervescent; moderately alkaline (pH 8.2); at 55 to 56.5 inches is a layer that is grayish brown (2.5Y 5/2) very fine sandy loam; disseminated lime; (12 percent calcium-carbonate equivalent).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): February, March, April, May, June, July
- Depth: 30 to 40 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 26 percent

Calcium-carbonate equivalent: 2 to 10 percent

Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

ABk horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 27 to 34 percent

Calcium-carbonate equivalent: 3 to 15 percent

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Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 34 percent

Calcium-carbonate equivalent: 15 to 45 percent

Sodium-adsorption ratio: 5 to 13

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 9.0

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam, silty clay loam

Clay content: 18 to 34 percent

Calcium-carbonate equivalent: 15 to 45 percent

Sodium-adsorption ratio: 5 to 13

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 9.0

Btk horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 34 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 5 to 13

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 8.6

C1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Very fine sandy loam, silt loam

Clay content: 5 to 18 percent

Calcium-carbonate equivalent: 0 to 15 percent

Sodium-adsorption ratio: 5 to 13

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 9.0

C2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, very fine sandy loam

Clay content: 5 to 18 percent

Calcium-carbonate equivalent: 0 to 15 percent

Sodium-adsorption ratio: 5 to 13

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 9.0

Bezzant Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Loess influenced gravelly mixed alluvium, slope alluvium, and/or colluvium

Soil Survey of Bear Lake County Area, Idaho

Slope range: 4 to 35 percent

Elevation: 5,990 to 6,820 feet

Mean annual precipitation: 13 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Bezzant gravelly silt loam; located in an area of Bezzant gravelly silt loam, 8 to 25 percent slopes; 548 feet east and 2,390 feet north of the southwest corner, of section 2, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 24 minutes, 31.00 seconds north latitude and 111 degrees, 3 minutes, 10.00 seconds west longitude; UTM 495657 meters E, 4695148 meters N, zone 12 NAD83.

A1—0 to 5 inches; brown (10YR 4/3) gravelly silt loam, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many fine irregular pores; 20 percent gravel; slightly effervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.

A2—5 to 10 inches; brown (10YR 5/3) very gravelly silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure parting to weak fine granular; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine roots; common very fine and fine irregular and common very fine and fine tubular pores; 40 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Bk1—10 to 24 inches; pale brown (10YR 6/3) very gravelly clay loam, brown (10YR 4/3) moist; moderate fine subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine roots; common very fine and fine irregular pores; 25 percent medium lime nodules; 50 percent gravel; violently effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

Bk2—24 to 37 inches; very pale brown (10YR 7/3) very gravelly clay loam, yellowish brown (10YR 5/4) moist; massive; hard, friable, moderately sticky, moderately plastic; few very fine roots; common fine irregular pores; 25 percent medium lime nodules; 50 percent gravel; violently effervescent; moderately alkaline (pH 8.2); clear wavy boundary.

Bk3—37 to 60 inches; very pale brown (10YR 7/4) very gravelly loam, yellowish brown (10YR 5/4) moist; massive; hard, friable, moderately sticky, moderately plastic; few very fine roots; common fine irregular pores; 10 percent medium weakly cemented lime masses; 50 percent gravel; violently effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 25 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 22 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 15 to 25 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 27 to 40 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 20 to 35 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 20 to 35 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 20 to 30 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 44 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.9 to 8.4

Bischoff Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Loess influenced mixed silty colluvium

Slope range: 15 to 50 percent

Elevation: 6,310 to 7,310 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine, smectitic Pachic Argicryolls

Typical Pedon

Bischoff silt loam; located in an area of Bischoff-Hagenbarth complex, 15 to 50 percent slopes; in shrub cover; 1,175 feet east, 287 feet south of the northwest corner of section 5, T 13 S., R 46 W.; Geneva, Idaho USGS quadrangle; 42 degrees, 19 minutes, 43.90 seconds north latitude and 111 degrees, 6 minutes, 28.20 seconds west longitude; UTM 491115 meters E, 4686297 meters N, zone 12 NAD83.

A1—0 to 1 inches; brown (7.5YR 4/2) silt loam, very dark gray (7.5YR 3/1) moist; moderate medium and coarse granular structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and common fine roots; common very fine and few fine irregular and tubular pores; 5 percent gravel; noneffervescent; slightly alkaline (pH 7.4); abrupt smooth boundary.

A2—1 to 4 inches; brown (7.5YR 4/2) silt loam, dark brown (7.5YR 3/2) moist; moderate fine and medium granular structure; slightly hard, very friable, slightly sticky, slightly plastic; common fine roots and many very fine roots; common very fine and few fine irregular and common very fine and few fine tubular pores; 5 percent gravel; noneffervescent; neutral (pH 7.3); clear wavy boundary.

AB—4 to 16 inches; brown (7.5YR 4/3) silt loam, dark brown (7.5YR 3/2) moist; weak medium and coarse subangular blocky structure parting to moderate fine angular blocky; moderately hard, friable, slightly sticky, slightly plastic; common very fine and few fine and medium roots; common very fine and few fine irregular and tubular pores; 10 percent patchy faint clay films on all faces of peds and 10 percent patchy faint clay films on surfaces along pores; 5 percent gravel; noneffervescent; neutral (pH 7.1); clear wavy boundary.

Bt1—16 to 29 inches; reddish brown (5YR 5/3) silty clay loam, dark reddish brown (5YR 3/3) moist; weak fine and medium prismatic structure parting to moderate fine and medium angular blocky; hard, firm, moderately sticky, moderately plastic; few very fine, fine, and medium roots; few very fine and fine tubular pores; 35 percent continuous distinct clay films on surfaces along pores and 35 percent continuous distinct clay films on all faces of peds; 5 percent gravel; noneffervescent; neutral (pH 7.1); common uncoated silt grains; clear wavy boundary.

Bt2—29 to 47 inches; reddish brown (5YR 5/3) silty clay loam, dark reddish gray (5YR 4/2) moist; moderate medium prismatic structure parting to moderate fine and medium angular blocky; very hard, extremely firm, very sticky, very plastic; few very fine roots; few very fine tubular pores; 35 percent continuous prominent clay films on surfaces along pores and 35 percent continuous prominent clay films on all faces of peds; 5 percent gravel and 1 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Bt3—47 to 60 inches; reddish brown (5YR 5/4) silty clay, reddish brown (5YR 4/3) moist; moderate medium and coarse subangular blocky structure; extremely hard, extremely firm, very sticky, very plastic; few very fine roots; few very fine tubular pores; 35 percent discontinuous prominent clay films on surfaces along pores and 35 percent discontinuous prominent clay films on all faces of peds; 5 percent gravel; noneffervescent; slightly alkaline (pH 7.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 8 percent gravel

Reaction: pH 7.0 to 7.5

AB horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 8 percent gravel

Reaction: pH 7.0 to 7.5

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay, silty clay loam

Clay content: 30 to 42 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 0 to 7 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.0 to 7.6

Bt2 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam, silty clay

Clay content: 35 to 45 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 7 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.0 to 7.6

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay, silty clay loam

Clay content: 35 to 50 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 7 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.0 to 7.6

Blackotter Series

Depth class: Very deep

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains

Parent material: Mixed loamy alluvium over mixed sandy and gravelly alluvium

Slope range: 0 to 2 percent

Elevation: 5,900 to 6,440 feet

Mean annual precipitation: 13 to 22 inches

Soil Survey of Bear Lake County Area, Idaho

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy over sandy or sandy-skeletal, mixed, superactive, frigid Aeric Calciaquolls

Typical Pedon

Blackotter loam; located in an area of Nuffer-Blackotter complex, 0 to 2 percent slopes; in rangeland; 1,208 feet east, 525 feet north of the southwest corner of section 23, T 14 S., R 46 E.; 42 degrees, 11 minutes, 3.60 seconds north latitude and 111 degrees, 2 minutes, 53.10 seconds west longitude; UTM 496030 meters E, 4670245 meters N, zone 12 NAD83.

- A1—0 to 2 inches; dark grayish brown (10YR 4/2) loam, very dark grayish brown (10YR 3/2) moist; moderate medium platy structure parting to moderate fine and medium subangular blocky; very hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; few very fine and fine tubular and few very fine irregular pores; carbonate, finely disseminated; 2 percent gravel; strongly effervescent (4 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt smooth boundary.
- A2—2 to 8 inches; grayish brown (10YR 5/2) loam, very dark grayish brown (10YR 3/2) moist; weak medium prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, medium, and coarse roots; few very fine and fine tubular pores; carbonate, finely disseminated; 2 percent gravel; strongly effervescent (2 percent calcium-carbonate equivalent); strongly alkaline (pH 8.9); abrupt smooth boundary.
- Bw—8 to 11 inches; brown (10YR 5/3) loam, dark grayish brown (10YR 4/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine tubular pores; carbonate, finely disseminated; 2 percent gravel; strongly effervescent (5 percent calcium-carbonate equivalent); strongly alkaline (pH 8.8); abrupt wavy boundary.
- Bk1—11 to 20 inches; very pale brown (10YR 8/2) clay loam, pale brown (10YR 6/3) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine and few fine tubular pores; 1 percent fine distinct irregular very dark grayish brown (10YR 3/2) and 1 percent medium faint irregular dark grayish brown (10YR 4/2) iron depletions throughout; carbonate, finely disseminated and fine and medium irregular, weakly cemented carbonate masses and fine and medium weakly cemented carbonate threads; 2 percent gravel; violently effervescent (38 percent calcium-carbonate equivalent); strongly alkaline (pH 8.6); clear wavy boundary.
- Bk2—20 to 37 inches; very pale brown (10YR 7/3) very fine sandy loam, brown (10YR 5/3) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and few fine tubular pores; 10 percent fine, distinct, irregular dark brown (10YR 3/3) moist, and yellowish brown (10YR 5/6) moist, masses of oxidized iron throughout; carbonate, finely disseminated and 1 percent fine irregular weakly cemented carbonate masses; 2 percent gravel; violently effervescent (22 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); clear irregular boundary.
- 2C1—37 to 50 inches; very gravelly coarse sand; single grain; loose, nonsticky, nonplastic; few fine and common very fine roots; few fine irregular and common

very fine irregular pores; carbonate, finely disseminated; 40 percent gravel and 10 percent cobbles; strongly effervescent (12 percent calcium-carbonate equivalent); strongly alkaline (pH 8.5); gradual irregular boundary.

2C2—50 to 61 inches; extremely cobbly sand; single grain; loose, nonsticky, nonplastic; few very fine and fine roots; common very fine and few fine irregular pores; carbonate, finely disseminated; 40 percent gravel and 30 percent cobbles; strongly effervescent (14 percent calcium-carbonate equivalent); strongly alkaline (pH 8.5).

Range in Characteristics

Depth to restrictive feature: 31 to 37 inches to strongly contrasting textural stratification

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 10 to 18 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

A1 horizon(s):

Organic matter content: 3 to 12 percent

Texture (less than 2 mm): Loam

Clay content: 14 to 18 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 3 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.8

A2 horizon(s):

Organic matter content: 3 to 12 percent

Texture (less than 2 mm): Loam

Clay content: 14 to 18 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 5 to 20 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.2 to 9.0

Bw horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 14 to 18 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 5 to 20 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.8

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, clay loam, very fine sandy loam

Clay content: 14 to 27 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

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Sodium-adsorption ratio: 0 to 5

Reaction: pH 8.0 to 8.8

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, very fine sandy loam

Clay content: 13 to 18 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 8.0 to 8.8

2C1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Coarse sand, loamy sand, sand

Clay content: 0 to 5 percent

Content of rock fragments:

- 5 to 30 percent cobbles
- 30 to 45 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.6 to 8.7

2C2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand, coarse sand, sand

Clay content: 0 to 5 percent

Content of rock fragments:

- 15 to 35 percent cobbles
- 25 to 45 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.6 to 8.7

Bloomcreek Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Stream terraces

Parent material: Silty alluvium over mixed sandy and gravelly alluvium

Slope range: 0 to 3 percent

Elevation: 5,960 to 6,700 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Fluvaquentic Haploxerolls

Typical Pedon

Bloomcreek silt loam; located in an area of Marshdale-Bloomcreek complex, 0 to 3 percent slopes; in rangeland; 1,790 feet north, 688 feet west of the southeast corner, of section 24, T 14 S., R 42 E.; Paris, Idaho USGS quadrangle; 42 degrees, 11 minutes, 19.00 seconds north latitude and 111 degrees, 29 minutes,

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21.10 seconds west longitude; UTM 459606 meters E, 4670834 meters N, zone 12 NAD83.

- A1—0 to 3 inches; dark gray (10YR 4/1) silt loam, black (10YR 2/1) moist; strong coarse granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; common very fine and fine tubular pores; 2 percent gravel; noneffervescent; moderately acid (pH 6.0); gradual wavy boundary.
- A2—3 to 17 inches; dark gray (10YR 4/1) silt loam, black (10YR 2/1) moist; strong coarse granular structure; soft, very friable, nonsticky, nonplastic; common very fine, fine, and medium roots; common very fine, fine, and medium tubular pores; 10 percent gravel; noneffervescent; moderately acid (pH 6.0); clear wavy boundary.
- B/A—17 to 24 inches; 60 percent grayish brown (10YR 5/2) and 40 percent dark gray (10YR 4/1) stratified gravelly loamy coarse sand to silt loam, 60 percent dark grayish brown (10YR 4/2) and 40 percent black (10YR 2/1) moist; single grain; loose, nonsticky, nonplastic; few very fine and fine roots; few very fine and fine tubular pores; 30 percent gravel; noneffervescent; slightly acid (pH 6.2); clear wavy boundary.
- Bg—24 to 32 inches; grayish brown (10YR 5/2) stratified very gravelly loamy sand to silt loam, dark grayish brown (10YR 4/2) moist; single grain; loose, nonsticky, nonplastic; few very fine roots; few very fine and fine tubular pores; 10 percent medium and coarse prominent brown (7.5YR 4/4) moist; 30 percent gravel; noneffervescent; slightly acid (pH 6.2); abrupt wavy boundary.
- 2Ab—32 to 38 inches; dark gray (10YR 4/1) silt loam, black (10YR 2/1) moist; massive; slightly hard, friable, nonsticky, nonplastic; few very fine roots; few very fine tubular pores; 2 percent gravel; noneffervescent; moderately acid (pH 6.0); abrupt wavy boundary.
- 3Cg—38 to 60 inches; light olive brown (2.5Y 5/3) stratified extremely gravelly loamy coarse sand to gravelly sandy loam, olive brown (2.5Y 4/3) moist; single grain; loose, nonsticky, nonplastic; many very fine and fine irregular pores; 75 percent gravel; noneffervescent; slightly acid (pH 6.2).

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 20 to 40 inches

Flooding:

- Month(s): March, April, May
- Frequency: Rare

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 22 percent

Content of rock fragments: 0 to 14 percent gravel

Reaction: pH 5.9 to 7.0

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 22 percent

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Content of rock fragments: 0 to 14 percent gravel

Reaction: pH 6.0 to 7.0

B/A horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Loamy coarse sand, silt loam

Clay content: 10 to 18 percent

Content of rock fragments: 10 to 30 percent gravel

Reaction: pH 6.1 to 7.3

Bg horizon(s):

Organic matter content: 0.25 to 1 percent

Texture (less than 2 mm): Silt loam, loamy sand

Clay content: 5 to 15 percent

Content of rock fragments: 10 to 30 percent gravel

Reaction: pH 5.8 to 7.0

2Ab horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 10 to 22 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 5.8 to 6.8

3Cg horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Loamy coarse sand, sandy loam, sand, loamy sand

Clay content: 0 to 10 percent

Content of rock fragments: 20 to 75 percent gravel

Reaction: pH 5.8 to 6.8

Bloomington Series

Depth class: Very deep

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Lakebeds

Parent material: Lacustrine deposits

Slope range: 0 to 2 percent

Elevation: 5,930 to 5,960 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, calcareous, frigid Cumulic
Endoaquolls

Typical Pedon

Bloomington muck; located in an area of Bloomington muck, 0 to 2 percent slopes; 800 feet west, 700 feet north of the southeast corner of section 35, T 14 S., R 44 E.; Dingle, Idaho USGS quadrangle; 42 degrees, 9 minutes, 21.50 seconds north latitude and 111 degrees, 16 minutes, 12.60 seconds west longitude; UTM 477682 meters E, 4667131 meters N, zone 12 NAD83.

- Oa—0 to 3 inches; very dark brown (10YR 2/2) muck; abrupt smooth boundary.
- A1—3 to 10 inches; very dark gray (10YR 3/1) mucky silt loam, black (10YR 2/1) moist; moderate fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many fine irregular pores; carbonate, finely disseminated throughout; slightly effervescent; neutral (pH 7.3); clear smooth boundary.
- A2—10 to 21 inches; very dark gray (10YR 3/1) silty clay loam, black (10YR 2/1) moist; weak medium subangular blocky structure parting to moderate fine granular; hard, firm, moderately sticky, moderately plastic; many very fine and fine roots; many fine irregular pores; carbonate, finely disseminated throughout; 10 percent fine shell fragments; slightly effervescent; slightly alkaline (pH 7.4); clear smooth boundary.
- Bg—21 to 32 inches; dark gray (10YR 4/1) silty clay loam, very dark gray (10YR 3/1) moist; weak medium and coarse subangular blocky structure; hard, firm, moderately sticky, moderately plastic; many very fine and fine roots; common very fine and fine irregular pores; 1 percent fine distinct dark yellowish brown (10YR 4/4) moist, masses of oxidized iron; carbonate, finely disseminated throughout; 10 percent fine shell fragments; strongly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.
- Cg1—32 to 42 inches; light gray (2.5Y 7/2) silty clay loam, light brownish gray (2.5Y 6/2) moist; massive; hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 1 percent fine distinct dark yellowish brown (10YR 4/4) moist, masses of oxidized iron; carbonate, finely disseminated throughout; 1 percent fine shell fragments; strongly effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.
- Cg2—42 to 48 inches; light greenish gray (5GY 7/1) silty clay loam, greenish gray (5GY 6/1) moist; massive; very hard, firm, moderately sticky, moderately plastic; few very fine roots; common very fine and fine tubular pores; carbonate, finely disseminated throughout; 1 percent fine shell fragments; strongly effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.
- Cg3—48 to 60 inches; light greenish gray (5G 7/1) silt loam, greenish gray (5G 6/1) moist; massive; very hard, firm, moderately sticky, moderately plastic; few very fine roots; common very fine and fine irregular pores; carbonate, finely disseminated throughout; 1 percent fine shell fragments; strongly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 0 to 10 inches

Ponding:

- Month(s): January, February, March, April, May, June, July, October, November, December
- Frequency: Frequent
- Duration: Very long
- Depth: 0 to 12 inches

Oa horizon(s):

Texture: Muck

A1 horizon(s):

Organic matter content: 5 to 10 percent
Texture (less than 2 mm): Silt loam
Clay content: 18 to 28 percent
Calcium-carbonate equivalent: 2 to 10 percent
Sodium-adsorption ratio: 0 to 1
Reaction: pH 7.0 to 7.8

A2 horizon(s):

Organic matter content: 5 to 10 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 18 to 28 percent
Calcium-carbonate equivalent: 2 to 15 percent
Sodium-adsorption ratio: 0 to 1
Reaction: pH 7.4 to 7.8

Bg horizon(s):

Organic matter content: 3 to 5 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 20 to 34 percent
Calcium-carbonate equivalent: 10 to 25 percent
Sodium-adsorption ratio: 0 to 1
Reaction: pH 7.6 to 8.4

Cg1 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 20 to 34 percent
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 1
Reaction: pH 7.8 to 8.4

Cg2 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 20 to 34 percent
Calcium-carbonate equivalent: 15 to 30 percent
Reaction: pH 7.8 to 8.4

Cg3 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 20 to 34 percent
Calcium-carbonate equivalent: 15 to 30 percent
Reaction: pH 7.8 to 8.4

Boundridge Series

Depth class: Shallow to duripan
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Very low
Landform: Ridges
Parent material: Slope alluvium derived from quartzite, sandstone, or chert
Slope range: 3 to 15 percent
Elevation: 6,870 to 7,700 feet
Mean annual precipitation: 15 to 18 inches

Soil Survey of Bear Lake County Area, Idaho

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive, shallow Typic Duricryolls

Typical Pedon

Boundridge very gravelly loam; located in an area of Boundridge-Sweetcreek complex, 3 to 15 percent slopes; in shrub cover; 1,046 feet west, 1,745 feet south of the northeast corner of section 28, T 15 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 5 minutes, 30.70 seconds north latitude and 111 degrees, 4 minutes, 35.80 seconds west longitude; UTM 493665 meters E, 4659979 meters N, zone 12 NAD83.

A—0 to 2 inches; grayish brown (10YR 5/2) very gravelly loam, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many very fine irregular pores; 35 percent gravel and 5 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); abrupt smooth boundary.

AB—2 to 7 inches; brown (10YR 5/3) very gravelly silt loam, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; many very fine, fine, and medium roots; common very fine tubular and many very fine irregular pores; 35 percent gravel and 10 percent cobbles; noneffervescent; slightly alkaline (pH 7.6); abrupt wavy boundary.

Bw—7 to 14 inches; brown (10YR 5/3) very gravelly loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, nonsticky, slightly plastic; many very fine, fine, and medium roots; common very fine irregular and tubular pores; 35 percent gravel and 20 percent cobbles; very slightly effervescent (4 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt wavy boundary.

Bkqm—14 to 21 inches; very pale brown (10YR 8/2) duripan, very pale brown (10YR 7/3) moist; strong very thick platy structure; extremely hard, extremely firm, strongly cemented, cemented by carbonates and silica, nonsticky, nonplastic; 3 percent medium and coarse platy strongly cemented silica concretions and 3 percent medium and coarse platy strongly cemented carbonate masses; 45 percent gravel and 25 percent cobbles; violently effervescent (42 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.

Bkq1—21 to 33 inches; very pale brown (10YR 8/2) extremely cobbly sandy loam, very pale brown (10YR 7/3) moist; massive; very hard, firm, weakly cemented, nonsticky, nonplastic; common very fine tubular pores; 3 percent medium and coarse platy weakly cemented silica concretions and 3 percent medium and coarse platy weakly cemented carbonate masses; 60 percent gravel and 5 percent cobbles; violently effervescent (40 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); clear wavy boundary.

Bkq2—33 to 48 inches; very pale brown (10YR 8/2) extremely gravelly sandy loam, very pale brown (10YR 7/3) moist; massive; very hard, firm, weakly cemented, nonsticky, nonplastic; common very fine tubular pores; 3 percent medium and coarse platy, weakly cemented, silica concretions and 3 percent medium and coarse platy, weakly cemented, carbonate masses; 50 percent gravel and 15 percent cobbles; violently effervescent; strongly alkaline (pH 8.8); gradual wavy boundary.

Bkq3—48 to 65 inches; very pale brown (10YR 8/3) extremely gravelly loamy sand, very pale brown (10YR 7/3) moist; massive; very hard, firm, weakly cemented, nonsticky, nonplastic; common very fine irregular pores; 3 percent medium and coarse platy, weakly cemented silica concretions and 3 percent medium and

coarse platy, weakly cemented carbonate masses; 50 percent gravel and 20 percent cobbles; strongly effervescent; strongly alkaline (pH 8.8).

Range in Characteristics

Depth to restrictive feature: 10 to 16 inches to duripan

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 35 to 45 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.2 to 7.8

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 35 to 40 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.6 to 8.4

Bw horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 5 to 20 percent cobbles
- 35 to 40 percent gravel

Calcium-carbonate equivalent: 2 to 10 percent

Reaction: pH 7.6 to 8.4

Bkqm horizon(s):

Texture: Cemented duripan

Bkq horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loamy sand

Clay content: 3 to 10 percent

Content of rock fragments:

- 5 to 20 percent cobbles
- 50 to 70 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Sodium-adsorption ratio: 0 to 2

Electrical conductivity (mmhos/cm): 0 to 4

Reaction: pH 8.2 to 9.0

Boyd hollow Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Soil Survey of Bear Lake County Area, Idaho

Landform: Hillslopes, mountain slopes

Parent material: Colluvium derived from sandstone over residuum weathered from conglomerate

Slope range: 15 to 65 percent

Elevation: 6,310 to 7,690 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Pachic Haplocryolls

Typical Pedon

Boyd hollow gravelly loam; located in an area of Boyd hollow-Slan-Cokeville complex, 15 to 65 percent slopes; in shrub cover; 2,389 feet west, 1,492 feet north of the southeast corner of section 21, T 15 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 6 minutes, 2.80 seconds north latitude and 111 degrees, 4 minutes, 52.60 seconds west longitude; UTM 493280 meters E, 4660967 meters N, zone 12 NAD83.

A1—0 to 3 inches; dark grayish brown (10YR 4/2) gravelly loam, very dark brown (10YR 2/2) moist; weak fine subangular blocky structure parting to moderate fine granular; soft, very friable, nonsticky, nonplastic; many very fine and medium roots; many fine interstitial pores; 25 percent gravel; noneffervescent; neutral (pH 7.0); abrupt smooth boundary.

A2—3 to 11 inches; dark grayish brown (10YR 4/2) very gravelly loam, very dark brown (10YR 2/2) moist; weak fine subangular blocky structure parting to moderate fine granular; soft, very friable, nonsticky, nonplastic; many very fine and medium roots; common very fine interstitial pores; 35 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.2); clear wavy boundary.

A3—11 to 19 inches; brown (7.5YR 4/3) very gravelly sandy loam, dark brown (7.5YR 3/3) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and medium roots; common fine tubular pores; 50 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.3); clear wavy boundary.

Bw—19 to 41 inches; reddish brown (5YR 5/4) extremely gravelly sandy loam, reddish brown (5YR 4/4) moist; weak fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; common very fine and fine roots; many very fine and fine tubular pores; 60 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.2); abrupt wavy boundary.

Bk1—41 to 57 inches; light gray (10YR 7/2) extremely gravelly sandy loam, pale brown (10YR 6/3) moist; weak medium subangular blocky structure parting to weak fine subangular blocky; hard, firm, nonsticky, nonplastic; few fine and very fine roots; few very fine tubular pores; carbonate coats on rock fragments; 1 percent fine irregular extremely weakly cemented carbonate masses throughout; 65 percent gravel and 10 percent cobbles; violently effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.

Bk2—57 to 65 inches; pale brown (10YR 6/3) extremely gravelly loamy sand, brown (10YR 5/3) moist; weak fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; carbonate coats on rock fragments; carbonate, finely disseminated throughout and 1 percent fine irregular extremely weakly cemented carbonate masses throughout; 65 percent gravel and 10 percent cobbles; strongly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments: 15 to 30 percent gravel

Reaction: pH 6.3 to 7.3

A2 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 10 to 18 percent

Content of rock fragments: 35 to 50 percent gravel

Reaction: pH 6.3 to 7.3

A3 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments: 35 to 50 percent gravel

Reaction: pH 6.3 to 7.3

Bw horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, fine sandy loam, sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 5 to 10 percent cobbles
- 35 to 60 percent gravel

Reaction: pH 6.3 to 7.3

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loamy sand

Clay content: 5 to 10 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 35 to 60 percent gravel

Calcium-carbonate equivalent: 7 to 25 percent

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand, sandy loam

Clay content: 5 to 10 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 35 to 60 percent gravel

Calcium-carbonate equivalent: 7 to 25 percent

Reaction: pH 7.8 to 8.4

Brifox Series

Depth class: Very deep

Drainage class: Well drained

Soil Survey of Bear Lake County Area, Idaho

Capacity of the most limiting soil layer to transmit water (Ksat): Very low

Landform: Fan remnants, hillslopes

Parent material: Lacustrine deposits

Slope range: 4 to 35 percent

Elevation: 5,850 to 7,140 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Chromic Calcixererts

Typical Pedon

Brifox silty clay loam; located in an area of Brifox-Niter complex, 12 to 25 percent slopes; in cropland; 2,305 feet east, 1,535 feet north of the southwest corner of section 17, T 11 S., R 41 E.; Thatcher, Idaho USGS quadrangle; 42 degrees, 27 minutes, 50.20 seconds north latitude and 111 degrees, 41 minutes, 33.60 seconds west longitude; UTM 443053 meters E, 4701521 meters N, zone 12 NAD83.

Ap—0 to 8 inches; light brownish gray (10YR 6/2) silty clay loam, dark grayish brown (10YR 4/2) moist; moderate medium and coarse subangular blocky structure parting to strong very fine and fine granular; slightly hard, very friable, slightly sticky, moderately plastic; common very fine and few fine roots; common very fine and few fine tubular and irregular pores; strongly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.

Bw—8 to 15 inches; light brownish gray (10YR 6/2) silty clay, dark grayish brown (10YR 4/2) moist; strong medium and coarse angular blocky structure; hard, firm, slightly sticky, moderately plastic; common very fine roots; few fine and medium and common very fine tubular pores; strongly effervescent; moderately alkaline (pH 8.0); clear smooth boundary.

Bss—15 to 21 inches; light brownish gray (10YR 6/2) silty clay, dark grayish brown (2.5Y 4/2) moist; weak fine and medium prismatic structure parting to moderate fine and medium angular blocky; hard, friable, moderately sticky, moderately plastic; few very fine roots; common very fine and few fine and medium tubular pores; 10 percent discontinuous prominent slickensides (pedogenic); strongly effervescent; moderately alkaline (pH 8.2); clear smooth boundary.

Bkss1—21 to 32 inches; light gray (10YR 7/2) silty clay, olive brown (2.5Y 4/4) moist; weak medium prismatic structure parting to moderate medium and coarse subangular blocky; hard, friable, moderately sticky, moderately plastic; few very fine roots; few fine and medium and common very fine and coarse tubular pores; 15 percent discontinuous prominent slickensides (pedogenic); strongly effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.

Bkss2—32 to 40 inches; light gray (2.5Y 7/2) silty clay, olive brown (2.5Y 4/4) moist; strong medium and coarse wedge structure and weak medium prismatic structure parting to moderate fine and medium subangular blocky; hard, friable, moderately sticky, moderately plastic; few very fine roots; common very fine tubular pores; 35 percent discontinuous prominent slickensides (pedogenic); strongly effervescent; moderately alkaline (pH 8.4); gradual wavy boundary.

Bkss3—40 to 60 inches; very pale brown (10YR 7/3) silty clay, brown (10YR 5/3) moist; strong medium and coarse wedge structure and moderate medium and coarse prismatic parting to moderate medium and coarse angular blocky; hard, firm, moderately sticky, moderately plastic; few very fine roots; few very fine tubular pores; 35 percent discontinuous prominent slickensides (pedogenic); strongly effervescent; moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 30 to 40 percent
Calcium-carbonate equivalent: 10 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 4
Reaction: pH 7.8 to 8.4

Bw horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silty clay loam, silty clay
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 10 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 4
Reaction: pH 7.8 to 8.4

Bss horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silty clay loam, silty clay
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 10 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 4
Reaction: pH 7.8 to 8.4

Bkss1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silty clay, clay, silty clay loam
Clay content: 38 to 60 percent
Calcium-carbonate equivalent: 20 to 35 percent
Gypsum: 0 to 15 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 4
Reaction: pH 7.8 to 8.4

Bkss2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silty clay, silty clay loam, clay
Clay content: 38 to 60 percent
Calcium-carbonate equivalent: 20 to 35 percent
Gypsum: 0 to 15 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 4
Reaction: pH 7.8 to 8.4

Bkss3 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Clay, silty clay loam, silty clay
Clay content: 38 to 60 percent
Calcium-carbonate equivalent: 20 to 35 percent
Gypsum: 0 to 15 percent
Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 4

Reaction: pH 7.8 to 8.4

Brushtop Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Mixed colluvium over moderately cemented volcanic ash

Slope range: 20 to 40 percent

Elevation: 5,910 to 6,890 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Argicryolls

Typical Pedon

Brushtop loam; located in an area of Redpine-Draney-Brushtop complex, 8 to 40 percent slopes; in shrub cover; 1,225 feet north, 2,215 feet west of the southeast corner of section 2, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 15.90 seconds north latitude and 111 degrees, 23 minutes, 42.40 seconds west longitude; UTM 467485 meters E, 4694755 meters N, zone 12 NAD83.

A—0 to 6 inches; very dark grayish brown (10YR 3/2) loam, black (10YR 2/1) moist; moderate medium granular structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and common medium and coarse roots; 5 percent gravel; neutral (pH 6.8); clear smooth boundary.

AB—6 to 12 inches; very dark grayish brown (10YR 3/2) loam, black (10YR 2/1) moist; moderate medium subangular blocky structure parting to moderate medium granular; soft, friable, slightly sticky, slightly plastic; many very fine and fine and common medium and coarse roots; 5 percent gravel; neutral (pH 6.8); clear smooth boundary.

Bt1—12 to 19 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine and fine and few medium and coarse roots; 35 percent continuous distinct clay films on faces of peds and in pores; 10 percent gravel; neutral (pH 7.0); clear wavy boundary.

Bt2—19 to 26 inches; dark grayish brown (10YR 4/2) gravelly clay loam, very dark grayish brown (10YR 3/2) moist; strong medium prismatic structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium and coarse roots; 35 percent continuous distinct clay films on faces of peds and in pores; 15 percent gravel; neutral (pH 7.0); clear wavy boundary.

Bt3—26 to 43 inches; brown (10YR 5/3) gravelly clay loam, brown (10YR 4/3) moist; strong medium prismatic structure; hard, firm, moderately sticky, moderately plastic; few very fine, fine, and medium roots; 70 percent continuous distinct clay films on faces of peds and in pores; 15 percent gravel and 10 percent paragravels; neutral (pH 7.0); abrupt wavy boundary.

2Cr—43 to 60 inches; moderately cemented volcanic sandstone bedrock, light gray (2.5Y 7/0) dry.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 21 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

AB horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 25 to 33 percent

Content of rock fragments: 5 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay loam

Clay content: 25 to 33 percent

Content of rock fragments: 3 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bt3 horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Clay loam

Clay content: 30 to 38 percent

Content of rock fragments:

- 5 to 20 percent gravel
- 0 to 10 percent parafragments

Reaction: pH 6.6 to 7.3

2Cr horizon(s):

Texture: Bedrock

Buist Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced alluvium, slope alluvium, and/or colluvium over mixed gravelly alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 30 percent

Elevation: 5,840 to 7,190 feet

Mean annual precipitation: 13 to 21 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

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Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Buist gravelly silt loam; located in an area of Buist gravelly silt loam, 1 to 4 percent slopes; in shrub cover; 2,164 feet east, 2,347 feet north of the southwest corner of section 15, T 10 S., R 43 E.; Fossil Canyon, Idaho USGS quadrangle; 42 degrees, 33 minutes, 10.70 seconds north latitude and 111 degrees, 25 minutes, 7.90 seconds west longitude; UTM 465613 meters E, 4711260 meters N, zone 12 NAD83.

- A1—0 to 2 inches; brown (10YR 5/3) gravelly silt loam, dark brown (10YR 3/3) moist; weak medium platy structure parting to weak fine granular; soft, very friable, slightly sticky, slightly plastic; many very fine and fine, common medium, and few coarse roots; many very fine irregular pores; 15 percent gravel and 5 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); abrupt smooth boundary.
- A2—2 to 10 inches; brown (10YR 4/3) cobbly silt loam, very dark grayish brown (10YR 3/2) moist; weak medium subangular blocky structure parting to weak fine granular; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine, common medium, and few coarse roots; many very fine irregular pores; 10 percent gravel and 15 percent cobbles; noneffervescent; slightly alkaline (pH 7.7); abrupt smooth boundary.
- BA—10 to 17 inches; brown (10YR 4/3) cobbly silt loam, dark brown (10YR 3/3) moist; moderate medium and coarse subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine, common medium, and few coarse roots; few very fine irregular pores; 10 percent gravel and 20 percent cobbles; noneffervescent; slightly alkaline (pH 7.7); clear wavy boundary.
- Bk1—17 to 23 inches; yellowish brown (10YR 5/4) very gravelly loam, dark yellowish brown (10YR 4/4) moist; weak medium and coarse angular blocky structure; soft, very friable, slightly sticky, slightly plastic; common very fine and few fine and medium roots; common very fine irregular pores; 30 percent gravel, 10 percent cobbles, and 1 percent stones; slightly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.
- Bk2—23 to 33 inches; light yellowish brown (10YR 6/4) extremely cobbly loam, dark yellowish brown (10YR 4/4) moist; weak coarse subangular blocky structure parting to weak fine subangular blocky; soft, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine irregular pores; carbonate, finely disseminated throughout; 50 percent gravel and 30 percent cobbles; 15 percent of coarse fragments have lime coated undersides; strongly effervescent; moderately alkaline (pH 8.1); abrupt wavy boundary.
- Bk3—33 to 37 inches; pale brown (10YR 6/3) extremely gravelly loam, dark yellowish brown (10YR 4/4) moist; massive; loose, very friable, nonsticky, nonplastic; few very fine roots; many very fine tubular pores; carbonate, finely disseminated throughout; 60 percent gravel and 20 percent cobbles; ¼ inch thick coats of lime on undersides of rocks; violently effervescent; moderately alkaline (pH 8.1); clear wavy boundary.
- Bk4—37 to 60 inches; very pale brown (10YR 8/2) extremely cobbly sandy loam, very pale brown (10YR 7/4) moist; massive; loose, very friable, nonsticky, nonplastic; many very fine tubular pores; carbonate, finely disseminated throughout; 50 percent gravel and 30 percent cobbles; ¼ inch thick coats of lime on undersides of rocks; violently effervescent; moderately alkaline (pH 8.3).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 10 to 22 percent gravel

Reaction: pH 6.6 to 7.8

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 10 to 33 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 6.6 to 7.8

BA horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 10 to 33 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.0 to 7.8

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 5 to 12 percent

Content of rock fragments:

- 0 to 2 percent stones
- 3 to 15 percent cobbles
- 17 to 40 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 5 to 12 percent

Content of rock fragments:

- 15 to 30 percent cobbles
- 30 to 60 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 5 to 12 percent
Content of rock fragments:

- 15 to 30 percent cobbles
- 30 to 65 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.4

Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam, sandy loam
Clay content: 3 to 10 percent
Content of rock fragments:

- 15 to 35 percent cobbles
- 30 to 50 percent gravel

Calcium-carbonate equivalent: 10 to 35 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.4

Burchert Series

Depth class: Moderately deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes
Parent material: Mixed slope alluvium and/or colluvium over moderately cemented volcanic ash
Slope range: 5 to 50 percent
Elevation: 5,860 to 7,020 feet
Mean annual precipitation: 15 to 23 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Pachic Argixerolls

Typical Pedon

Burchert gravelly loam; located in an area of Burchert-Whitetop complex, 10 to 45 percent slopes; in shrub cover; 1,495 feet south, 1,055 feet east of the northwest corner of section 1, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 41.70 seconds north latitude and 111 degrees, 22 minutes, 46.90 seconds west longitude; UTM 468757 meters E, 4695545 meters N, zone 12 NAD83.

A—0 to 3 inches; very dark grayish brown (10YR 3/2) gravelly loam, very dark brown (10YR 2/2) moist; moderate fine and medium subangular blocky structure; slightly hard, firm, slightly sticky, slightly plastic; many very fine and fine and few medium roots; 15 percent gravel; noneffervescent; neutral (pH 7.0); clear wavy boundary.

AB—3 to 9 inches; very dark grayish brown (10YR 3/2) gravelly loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; 15 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

Bt1—9 to 14 inches; very dark grayish brown (10YR 3/2) gravelly clay loam, very dark brown (10YR 2/2) moist; moderate medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; 35 percent continuous faint clay films on faces of peds and in pores; 15 percent gravel and 2 percent cobbles; noneffervescent; neutral (pH 7.2); clear wavy boundary.

Bt2—14 to 22 inches; dark grayish brown (10YR 4/2) gravelly clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; very hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; 35 percent continuous faint clay films on faces of peds and in pores; 15 percent gravel and 3 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); clear smooth boundary.

Btk—22 to 30 inches; dark grayish brown (10YR 4/2) gravelly clay loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; very hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; 35 percent continuous faint clay films on faces of peds and in pores; 15 percent gravel, 5 percent paragravel, and 5 percent cobbles; carbonate coats on bottom surfaces of rock fragments; noneffervescent; slightly alkaline (pH 7.4); abrupt wavy boundary.

Cr—30 to 60 inches; moderately consolidated tuffaceous sandstone.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 20 percent

Content of rock fragments: 3 to 20 percent gravel

Reaction: pH 6.6 to 7.3

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 16 to 20 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 0 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 32 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 0 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 32 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 0 to 50 percent gravel
- 0 to 30 percent parafragments

Reaction: pH 6.6 to 7.3

Btk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 32 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 5 to 30 percent channers
- 5 to 30 percent parafragments

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.5 to 8.4

2Cr horizon(s):

Texture: Bedrock

Cadero Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes, mountain slopes

Parent material: Colluvium derived from volcanic sandstone over weakly cemented volcanic ash

Slope range: 10 to 35 percent

Elevation: 6,000 to 7,020 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Ashy, glassy Vitrandic Haplocryolls

Typical Pedon

Cadero ashy fine sandy loam; located in an area of Hoopgobel-Cadero complex, 10 to 35 percent slopes; in shrub cover; 2,815 feet east, 2,465 feet north of the southwest corner of section 1, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 28.40 seconds north latitude and 111 degrees, 22 minutes, 35.40 seconds west longitude; UTM 469018 meters E, 4695134 meters N, zone 12 NAD83.

A—0 to 5 inches; very dark grayish brown (10YR 3/2) ashy fine sandy loam, very dark brown (10YR 2/2) moist; weak fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium and coarse roots; slightly acid (pH 6.5); clear smooth boundary.

Bw1—5 to 14 inches; very dark grayish brown (10YR 3/2) ashy fine sandy loam, very dark brown (10YR 2/2) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium and coarse roots; neutral (pH 6.8); clear wavy boundary.

Bw2—14 to 25 inches; dark grayish brown (10YR 4/2) paragravelly ashy fine sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft,

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very friable, nonsticky, nonplastic; common very fine and fine roots; 15 percent paragravel; carbonate coats on bottom surfaces of rock fragments; neutral (pH 6.8); abrupt wavy boundary.
Cr—25 to 60 inches; weakly cemented volcanic sandstone bedrock, light gray (2.5Y 7/0) dry.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Fine sandy loam
Clay content: 8 to 12 percent
Content of rock fragments: 0 to 6 percent parafragments
Reaction: pH 6.1 to 7.3

Bw1 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Fine sandy loam
Clay content: 8 to 12 percent
Content of rock fragments: 0 to 20 percent parafragments
Reaction: pH 6.1 to 7.3

Bw2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Fine sandy loam
Clay content: 8 to 12 percent
Content of rock fragments: 0 to 20 percent parafragments
Reaction: pH 6.1 to 7.3

Cr horizon(s):

Texture: Bedrock

Causey Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Colluvium derived from sandstone and siltstone

Slope range: 20 to 35 percent

Elevation: 5,980 to 6,540 feet

Mean annual precipitation: 16 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Causey silt loam; located in an area of Drage-Causey-Lilcan complex, 10 to 35 percent slopes; in shrub cover; 1,803 feet south, 2,430 feet east of the northwest corner of section 21, T 10 S., R 43 E.; Fossil Canyon, Idaho USGS quadrangle; 42 degrees, 32 minutes, 29.70 seconds north latitude and 111 degrees, 26 minutes, 15.40 seconds west longitude; UTM 464067 meters E, 4710004 meters N, zone 12 NAD83.

- A1—0 to 5 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium roots; many fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 7.0); gradual wavy boundary.
- A2—5 to 15 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium roots; many fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 7.2); clear wavy boundary.
- Bk1—15 to 23 inches; pale brown (10YR 6/3) gravelly silt loam, brown (10YR 4/3) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine and fine and few medium roots; common fine tubular pores; 10 percent fine carbonate masses; 15 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.
- Bk2—23 to 60 inches; very pale brown (10YR 7/3) gravelly silt loam, brown (10YR 5/3) moist; moderate fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; few very fine roots; few fine tubular pores; 10 percent fine carbonate masses; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 14 to 20 percent

Content of rock fragments: 1 to 10 percent gravel

Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 14 to 20 percent

Content of rock fragments: 1 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bk1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 20 to 27 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam

Clay content: 20 to 27 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 20 to 30 percent

Reaction: pH 7.8 to 8.4

Cedarhill Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes, plateaus, ridges

Parent material: Loess influenced gravelly alluvium, slope alluvium, and/or colluvium derived from limestone

Slope range: 2 to 55 percent

Elevation: 5,810 to 7,670 feet

Mean annual precipitation: 13 to 23 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon (fig. 15)

Cedarhill gravelly silt loam; located in an area of Cedarhill gravelly silt loam, 5 to 25 percent slopes; in shrub cover; 635 feet north, 235 feet east of the southwest corner of section 18, T 6 S., R 39 E.; Chesterfield Reservoir, Idaho USGS quadrangle; 42 degrees, 53 minutes, 33.60 seconds north latitude and 111 degrees, 56 minutes, 36.80 seconds west longitude; UTM 422959 meters E, 4749329 meters N, zone 12 NAD83.

A—0 to 3 inches; brown (10YR 4/3) gravelly silt loam, very dark grayish brown (10YR 3/2) moist; weak medium and coarse platy structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, and medium roots; many very fine tubular pores; 15 percent gravel and 5 percent cobbles; slightly effervescent; slightly alkaline (pH 7.5); abrupt smooth boundary.

ABk—3 to 7 inches; brown (10YR 4/3) gravelly silt loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine, fine, medium, and coarse roots; many very fine tubular pores; 15 percent gravel, 5 percent cobbles, and 5 percent stones; slightly effervescent; slightly alkaline (pH 7.7); clear wavy boundary.

Bk1—7 to 13 inches; brown (10YR 5/3) very gravelly silt loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, nonplastic; many very fine, fine, medium, and coarse roots; many very fine tubular pores; 25 percent gravel, 5 percent cobbles, and 5 percent stones; strongly effervescent; slightly alkaline (pH 7.8); abrupt smooth boundary.

Bk2—13 to 26 inches; very pale brown (10YR 8/2) very cobbly silt loam, light yellowish brown (10YR 6/4) moist; weak fine and medium subangular blocky structure; hard, firm, nonsticky, nonplastic; common very fine, fine, and medium roots; many very fine tubular pores; 25 percent gravel, 10 percent cobbles, and 5 percent stones; violently effervescent; moderately alkaline (pH 8.0); abrupt irregular boundary.

C—26 to 60 inches; light yellowish brown (10YR 6/4) extremely stony silt loam, dark yellowish brown (10YR 4/4) moist; massive; slightly hard, very friable, nonsticky, nonplastic; few very fine and fine roots; 50 percent gravel, 20 percent cobbles, and 20 percent stones; violently effervescent; moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

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Clay content: 8 to 17 percent

Content of rock fragments:

- 0 to 3 percent stones
- 5 to 7 percent cobbles
- 10 to 25 percent gravel

Calcium-carbonate equivalent: 2 to 12 percent

Reaction: pH 7.4 to 8.2



Figure 15.—A typical profile of Cedarhill gravelly silt loam in an area of Cedarhill-Clegg-Drage, 5 to 55 percent slopes. Scale is in inches.

ABk horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 8 to 17 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 10 percent cobbles
- 10 to 25 percent gravel

Calcium-carbonate equivalent: 2 to 12 percent

Reaction: pH 7.4 to 8.2

Bk1 horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 8 to 17 percent

Content of rock fragments:

- 0 to 15 percent stones
- 5 to 30 percent cobbles
- 20 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 8 to 17 percent

Content of rock fragments:

- 0 to 15 percent stones
- 10 to 30 percent cobbles
- 20 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 0

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.8 to 8.4

C horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 8 to 17 percent

Content of rock fragments:

- 5 to 20 percent stones
- 5 to 20 percent cobbles
- 40 to 60 percent gravel

Calcium-carbonate equivalent: 5 to 20 percent

Sodium-adsorption ratio: 0 to 0

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.7 to 8.4

Chausse Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Loess influenced gravelly colluvium derived from limestone

Slope range: 20 to 45 percent

Elevation: 5,880 to 7,320 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerepts

Typical Pedon

Chausse very gravelly loam; located in an area of Kucera-Chausse-Rexburg complex, 10 to 45 percent slopes; in shrub cover; 2,645 feet east, 2,095 north of the

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southwest corner of section 33, T 14 S., R 46 E.; Border, Idaho USGS quadrangle; 42 degrees, 9 minutes, 35.90 seconds north latitude and 111 degrees, 4 minutes, 54.60 seconds west longitude; UTM 493242 meters E, 4667538 meters N, zone 12 NAD83.

- A—0 to 3 inches; pale brown (10YR 6/3) very gravelly loam, brown (10YR 5/3) moist; moderate medium platy structure; soft, very friable, nonsticky, nonplastic; few fine and medium and common very fine roots; few very fine, fine, and medium irregular pores; 40 percent gravel and 15 percent cobbles; strongly effervescent; moderately alkaline (pH 8.3); abrupt smooth boundary.
- Bk1—3 to 10 inches; pale brown (10YR 6/3) very gravelly loam, yellowish brown (10YR 5/4) moist; moderate medium and coarse subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine and few medium and coarse roots; common very fine and fine and few medium irregular pores; 35 percent gravel, 15 percent cobbles, and 5 percent stones; common lime coats on rock fragments; strongly effervescent (10 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); clear wavy boundary.
- Bk2—10 to 23 inches; pale brown (10YR 6/3) very gravelly loam, yellowish brown (10YR 5/4) moist; weak medium and coarse subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine and few medium and coarse roots; few very fine, fine, and medium tubular pores; 40 percent gravel and 10 percent cobbles; common lime coats on rock fragments; strongly effervescent (17 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); clear wavy boundary.
- Bk3—23 to 42 inches; light yellowish brown (10YR 6/4) very gravelly sandy loam, yellowish brown (10YR 5/4) moist; moderate fine and medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine and few medium and coarse roots; common very fine and few fine and medium tubular pores; 30 percent gravel and 10 percent cobbles; common lime coats on rock fragments; strongly effervescent (8 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.
- Bk4—42 to 58 inches; light brown (7.5YR 6/4) very gravelly loam, brown (7.5YR 4/4) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; few very fine, fine, medium roots; few fine and medium and common very fine tubular pores; 35 percent gravel and 10 percent cobbles; many lime coats on rock fragments; violently effervescent (12 percent calcium-carbonate equivalent); strongly alkaline (pH 8.6); clear wavy boundary.
- Bk5—58 to 69 inches; light brown (7.5YR 6/4) gravelly loam, brown (7.5YR 5/4) moist; weak medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; common very fine and few fine tubular pores; 20 percent gravel; many lime coats on rock fragments; violently effervescent (9 percent calcium-carbonate equivalent); strongly alkaline (pH 8.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 25 percent

Content of rock fragments:

- 0 to 2 percent stones
- 5 to 15 percent cobbles
- 30 to 50 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 8 percent stones
- 5 to 15 percent cobbles
- 30 to 50 percent gravel

Calcium-carbonate equivalent: 8 to 20 percent

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 30 to 50 percent gravel

Calcium-carbonate equivalent: 8 to 20 percent

Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 30 to 50 percent gravel

Calcium-carbonate equivalent: 8 to 20 percent

Reaction: pH 7.9 to 8.6

Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 8 to 20 percent

Reaction: pH 7.9 to 8.6

Bk5 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 20 to 40 percent gravel

Calcium-carbonate equivalent: 8 to 20 percent

Reaction: pH 7.9 to 8.6

Chesbrook Series

Depth class: Very deep

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains, lakebeds

Parent material: Mixed silty alluvium

Slope range: 0 to 2 percent

Elevation: 5,810 to 6,400 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, carbonatic, frigid Typic Calciaquolls

Typical Pedon

Chesbrook silt loam; located in an area of Chesbrook-Bear Lake complex, 0 to 2 percent slopes; in rangeland; 2,260 feet east, 780 feet north of the southwest corner, of section 29, T 6 S., R 39 E.; Chesterfield, Idaho USGS quadrangle; 42 degrees, 51 minutes, 50.30 seconds north latitude and 111 degrees, 54 minutes, 58.70 seconds west longitude; UTM 425148 meters E, 4746117 meters N, zone 12 NAD83.

Oi—0 to 2 inches; dark brown (10YR 3/3) slightly decomposed plant material; abrupt smooth boundary.

Akg1—2 to 13 inches; light brownish gray (10YR 6/2) silt loam, very dark gray (10YR 3/1) moist; weak coarse subangular blocky structure and moderate medium subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and fine roots; common very fine tubular pores; 35 percent lime concretions; violently effervescent; strongly alkaline (pH 8.8); gradual smooth boundary.

Akg2—13 to 20 inches; light brownish gray (10YR 6/2) silt loam, very dark gray (10YR 3/1) moist; moderate medium subangular blocky structure and strong very fine granular; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and fine roots; many very fine tubular pores; 25 percent faint irregular dark brown (10YR 3/3) moist, iron-manganese concretions throughout; 35 percent lime concretions; violently effervescent; strongly alkaline (pH 8.7); gradual wavy boundary.

Bkg1—20 to 31 inches; light brownish gray (10YR 6/2) silt loam, very dark gray (10YR 3/1) moist; weak coarse subangular blocky structure and weak medium subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and few fine roots; many very fine tubular pores; 25 percent faint irregular dark brown (10YR 3/3) moist, iron-manganese concretions throughout; 45 percent lime concretions; strongly effervescent; strongly alkaline (pH 8.6); gradual wavy boundary.

Bkg2—31 to 36 inches; light brownish gray (10YR 6/2) silt loam, dark gray (10YR 4/1) moist; massive; soft, very friable, slightly sticky, slightly plastic; few very fine and fine roots; many very fine tubular pores; 25 percent faint irregular dark brown (10YR 3/3) moist, iron-manganese concretions throughout; 75 percent lime concretions; strongly effervescent; strongly alkaline (pH 8.6); gradual wavy boundary.

Bkg3—36 to 48 inches; light gray (2.5Y 7/2) silt loam, light brownish gray (2.5Y 6/2) moist; massive; hard, very friable, moderately sticky, moderately plastic; few very fine and fine roots; few fine and many very fine tubular pores; 2 percent fine faint

yellow (2.5Y 7/6) moist, masses of reduced iron on surfaces along root channels; 45 percent lime concretions; violently effervescent; strongly alkaline (pH 8.6); clear wavy boundary.

2Ckg1—48 to 56 inches; white (5Y 8/1) silt loam, light brownish gray (2.5Y 6/2) moist; massive; hard, very friable, moderately sticky, moderately plastic; few very fine and fine roots; few fine and common very fine tubular pores; 1 percent fine prominent irregular olive yellow (2.5Y 6/6) moist, masses of oxidized iron throughout; 40 percent lime concretions, 2 percent shell fragments, and 25 percent medium distinct reticulate lime nodules; 3 percent gravel; strongly effervescent; strongly alkaline (pH 8.6); clear smooth boundary.

2Ckg2—56 to 62 inches; pale yellow (5Y 8/3) silt loam, olive (5Y 5/3) moist; massive; hard, very friable, slightly sticky, slightly plastic; few very fine and fine roots; common very fine tubular pores; 1 percent fine prominent irregular light olive brown (2.5Y 5/4) moist, masses of oxidized iron throughout and 10 percent fine prominent irregular olive yellow (2.5Y 6/6) moist, 25 percent coarse lime concretions and 30 percent coarse lime nodules; slightly effervescent; strongly alkaline (pH 8.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): April, May, June
- Depth: 8 to 25 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

Oi horizon(s):

Texture: Slightly decomposed plant material

Akg1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Calcium-carbonate equivalent: 25 to 40 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 9.0

Akg2 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Calcium-carbonate equivalent: 25 to 40 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 9.0

Bkg1 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Silt loam, silty clay loam

Clay content: 18 to 32 percent

Calcium-carbonate equivalent: 40 to 75 percent

Sodium-adsorption ratio: 0 to 3

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Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 8.8

Bkg2 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 32 percent

Calcium-carbonate equivalent: 40 to 75 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 8.8

Bkg3 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 32 percent

Calcium-carbonate equivalent: 40 to 75 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 8.8

2Ckg1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 32 percent

Content of rock fragments: 0 to 6 percent gravel

Calcium-carbonate equivalent: 25 to 40 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.8

2Ckg2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 32 percent

Content of rock fragments: 0 to 6 percent gravel

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.8

Chinhill Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants

Parent material: Mixed silty alluvium

Slope range: 1 to 4 percent

Elevation: 5,990 to 6,130 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Pachic Calcixerolls

Typical Pedon

Chinhill silt loam; located in an area of Chinhill silt loam, 1 to 4 percent slopes; in rangeland; 50 feet east, 2,000 feet north of the southwest corner of section 20, T 10 S., R 40 E.; Grace Power Plant, Idaho USGS quadrangle; 42 degrees, 32 minutes, 18.20 seconds north latitude and 111 degrees, 49 minutes, 5.90 seconds west longitude; UTM 432803 meters E, 4709882 meters N, zone 12 NAD83.

A1—0 to 2 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate thick platy structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine irregular and common very fine and fine tubular pores; carbonate, finely disseminated; 2 percent gravel; slightly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.

A2—2 to 21 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and few fine tubular pores; carbonate, finely disseminated; 10 percent gravel; slightly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.

Bk1—21 to 36 inches; gray (10YR 6/1) silt loam, very dark gray (10YR 3/1) moist; moderate fine and medium subangular blocky structure; hard, very friable, slightly sticky, slightly plastic; common very fine roots; common very fine tubular pores; carbonate, finely disseminated and 10 percent fine threadlike weakly cemented lime concretions; 2 percent gravel; strongly effervescent; moderately alkaline (pH 8.2); clear smooth boundary.

Bk2—36 to 60 inches; grayish brown (10YR 5/2) silt loam, dark grayish brown (10YR 4/2) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; carbonate, finely disseminated and 10 percent fine threadlike weakly cemented carbonate concretions; 2 percent gravel; strongly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 17 percent

Content of rock fragments: 0 to 6 percent gravel

Calcium-carbonate equivalent: 3 to 15 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

A2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 17 percent

Content of rock fragments: 0 to 14 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 12 to 17 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 12 to 17 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Chokecherry Series

Depth class: Shallow
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): High
Landform: Hillslopes, mountain slopes
Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone
Slope range: 3 to 60 percent
Elevation: 6,220 to 7,850 feet
Mean annual precipitation: 14 to 22 inches
Mean annual air temperature: 36 to 39 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Lithic Haplocryolls

Typical Pedon

Chokecherry very gravelly sandy loam; located in an area of Lonjon-Monida-Chokecherry complex, 5 to 50 percent slopes; in shrub cover; about 1,345 feet north, 550 feet west of the southeast corner of section 11, T 14 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 9 minutes, 27.50 seconds north latitude and 111 degrees, 13 minutes, 51.30 seconds west longitude; UTM 480929 meters E, 4667306 meters N, zone 12 NAD83.

- A1—0 to 4 inches; dark grayish brown (10YR 4/2) very gravelly sandy loam, very dark grayish brown (10YR 3/2) moist; weak very fine granular structure; soft, very friable, nonsticky, nonplastic; many fine and medium roots; many very fine and fine interstitial pores; 40 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.
- A2—4 to 9 inches; dark grayish brown (10YR 4/2) very cobbly sandy loam, very dark brown (7.5YR 2.5/2) moist; weak very fine granular structure; soft, very friable, nonsticky, nonplastic; many fine roots; many fine interstitial pores; 40 percent gravel; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Bw—9 to 18 inches; brown (7.5YR 4/4) very cobbly sandy loam, dark brown (7.5YR 3/3) moist; weak very fine and fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; many fine interstitial pores; 75 percent gravel; noneffervescent; neutral (pH 6.8); abrupt wavy boundary.
R—18 to 60 inches; indurated red sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 10 percent cobbles
- 15 to 50 percent gravel

Reaction: pH 6.0 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 10 percent stones
- 0 to 20 percent flagstones
- 15 to 55 percent gravel

Reaction: pH 6.0 to 7.3

Bw horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 0 to 15 percent stones
- 0 to 15 percent flagstones
- 17 to 60 percent gravel

Reaction: pH 6.0 to 7.3

R horizon(s):

Texture: Bedrock

Church Springs Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Loess influenced mixed silty slope alluvium and/or colluvium

Slope range: 4 to 25 percent

Elevation: 5,960 to 7,220 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Church Springs silt loam; located in an area of Thatcher-Church Springs complex, 5 to 30 percent slopes; in shrub cover; 420 feet west, 2,310 feet south of the northeast corner of section 12, T 16 S., R 44 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 3 minutes, 10.60 seconds north latitude and 111 degrees, 14 minutes, 58.20 seconds west longitude; UTM 479353 meters E, 4655685 meters N, zone 12 NAD83.

A1—0 to 2 inches; brown (10YR 4/3) silt loam, dark brown (10YR 3/3) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine roots; many very fine interstitial pores; 3 percent gravel; slightly effervescent; slightly alkaline (pH 7.4); clear wavy boundary.

A2—2 to 11 inches; brown (10YR 4/3) silt loam, dark brown (10YR 3/3) moist; moderate fine subangular blocky structure parting to moderate very fine and fine granular; slightly hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; many very fine and common fine tubular pores; carbonate, finely disseminated; 5 percent gravel; slightly effervescent; slightly alkaline (pH 7.4); gradual wavy boundary.

Btk1—11 to 21 inches; brown (7.5YR 5/3) silty clay loam, brown (7.5YR 4/3) moist; moderate fine and medium subangular blocky structure parting to weak fine and medium angular blocky; moderately hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine, and few medium tubular pores; 35 percent patchy distinct clay films on faces of peds; carbonate, finely disseminated, 1 percent fine cylindrical lime nodules, and 1 percent fine faint irregular lime masses; 5 percent gravel; strongly effervescent; slightly alkaline (pH 7.6); gradual wavy boundary.

Btk2—21 to 30 inches; light brown (7.5YR 6/3) silty clay loam, brown (7.5YR 4/3) moist; moderate fine and medium subangular blocky structure parting to moderate fine granular; moderately hard, friable, moderately sticky, moderately plastic; few very fine roots; few very fine, fine, and medium tubular pores; 10 percent patchy faint clay films on surfaces along root channels; carbonate, finely disseminated and 1 percent fine irregular lime masses; violently effervescent; moderately alkaline (pH 8.4); gradual wavy boundary.

Bk—30 to 60 inches; light brown (7.5YR 6/4) silt loam, brown (7.5YR 4/4) moist; moderate fine subangular blocky structure parting to moderate very fine and fine granular; slightly hard, friable, moderately sticky, moderately plastic; few very fine roots; few very fine and fine tubular pores; carbonate, finely disseminated; violently effervescent; moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 2 to 15 percent

Reaction: pH 7.4 to 8.0

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 5 percent gravel

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Calcium-carbonate equivalent: 2 to 15 percent

Reaction: pH 7.4 to 8.0

Btk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 2

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.6 to 8.4

Btk2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 2

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.9 to 8.4

Bk horizon(s):

Organic matter content: 0.15 to 0.40 percent

Texture (less than 2 mm): Silt loam, loam, silty clay loam

Clay content: 18 to 28 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 2

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.9 to 8.4

Cleavage Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from igneous and sedimentary rock

Slope range: 1 to 55 percent

Elevation: 5,840 to 7,170 feet

Mean annual precipitation: 14 to 25 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls

Typical Pedon

Cleavage loam; located in an area of Leftfork-Cleavage complex, 5 to 40 percent slopes; in shrub cover; 2,300 feet east, 1,300 feet north of the southwest corner of section 21, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 6 minutes, 2.10 seconds north latitude and 111 degrees, 26 minutes, 9.20 seconds west longitude; UTM 463958 meters E, 4661035 meters N, zone 12 NAD83.

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- A1—0 to 2 inches; brown (7.5YR 4/3) loam, very dark brown (7.5YR 2.5/2) moist; weak medium subangular blocky structure parting to moderate fine granular; soft, very friable, nonsticky, nonplastic; many very fine, fine, and medium roots; noneffervescent; neutral (pH 6.8); clear smooth boundary.
- A2—2 to 6 inches; brown (7.5YR 5/3) loam, dark brown (7.5YR 3/2) moist; moderate medium subangular blocky structure; slightly hard, firm, slightly sticky, slightly plastic; common very fine, fine, and medium roots; noneffervescent; neutral (pH 6.8); clear wavy boundary.
- Bt1—6 to 9 inches; brown (7.5YR 5/3) very gravelly clay loam, dark brown (7.5YR 3/2) moist; moderate medium subangular blocky structure; slightly hard, firm, slightly sticky, slightly plastic; 40 percent distinct clay films on all faces of peds; 30 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.0); clear wavy boundary.
- Bt2—9 to 14 inches; brown (7.5YR 5/3) very gravelly clay loam, brown (7.5YR 4/3) moist; weak medium angular blocky, moderate medium subangular blocky, and weak medium angular blocky structure; slightly hard, firm, moderately sticky, moderately plastic; 40 percent distinct clay films on all faces of peds; 35 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.
- R—14 to 60 inches; indurated quartzite bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 20 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 2 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.6 to 7.5

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 20 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 5 percent cobbles
- 0 to 40 percent gravel

Reaction: pH 6.6 to 7.5

Bt1 horizon(s):

Organic matter content: 0.50 to 0.75 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 24 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 20 percent cobbles
- 27 to 55 percent gravel

Reaction: pH 6.6 to 7.5

Bt2 horizon(s):

Organic matter content: 0.25 to 0.60 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 24 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 10 to 25 percent cobbles
- 29 to 58 percent gravel

Reaction: pH 6.6 to 7.5

R horizon(s):

Texture: Bedrock

Clegg Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Loess influenced mixed alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 55 percent

Elevation: 5,810 to 7,200 feet

Mean annual precipitation: 14 to 24 inches

Mean annual air temperature: 37 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Pachic Argixerolls

Typical Pedon (fig. 16)

Clegg silt loam; located in an area of Clegg silt loam, 4 to 20 percent slopes; in rangeland; 650 feet south, 3,600 feet east of the northwest corner of section 27, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 0 minutes, 47.80 seconds north latitude and 111 degrees, 24 minutes, 41.30 seconds west longitude; UTM 465930 meters E, 4651332 meters N, zone 12 NAD83.

A—0 to 8 inches; brown (10YR 4/3) silt loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; many very fine and fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 7.2); abrupt smooth boundary.

Bt1—8 to 22 inches; brown (10YR 4/3) silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; common very fine and few fine and medium roots; many very fine tubular pores; 10 percent faint clay bridges between sand grains; 5 percent gravel; noneffervescent; neutral (pH 7.3); gradual smooth boundary.

Bt2—22 to 28 inches; brown (10YR 4/3) silty clay loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine and few medium and coarse roots; many very fine tubular pores; 35 percent faint clay bridges between sand grains; 5 percent gravel; noneffervescent; slightly alkaline (pH 7.5); clear smooth boundary.

Btk—28 to 32 inches; very pale brown (10YR 7/4) gravelly clay loam, brown (10YR 5/3) moist; massive; hard, friable, moderately sticky, moderately plastic; common very fine roots; many very fine tubular pores; 35 percent faint clay bridges between sand grains; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.1); gradual wavy boundary.

Bk—32 to 60 inches; very pale brown (10YR 7/4) gravelly loam, brown (10YR 5/3) moist; massive; hard, friable, slightly sticky, slightly plastic; few very fine roots; common very fine tubular pores; 20 percent gravel and 5 percent cobbles; strongly effervescent; moderately alkaline (pH 8.1).



Figure 16.—A typical profile of Clegg silt loam in an area of Cedarhill-Clegg-Drage, 5 to 55 percent slopes. Scale is in inches.

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.5

Bt1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 28 to 34 percent

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Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.5

Bt2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 28 to 34 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.8 to 7.8

Btk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 20 to 32 percent

Content of rock fragments: 5 to 15 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 20 to 32 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 20 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Cloudless Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed slope alluvium derived from sedimentary rock

Slope range: 2 to 15 percent

Elevation: 6,040 to 6,880 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 85 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Typic Argixerolls

Typical Pedon

Cloudless silt loam; located in an area of Swanpeak-Cloudless complex, 1 to 15 percent slopes; in shrub cover; 1,305 feet south, 805 feet west of the northeast corner of section 6, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 43.00 seconds north latitude and 111 degrees, 28 minutes, 5.80 seconds west longitude; UTM 461470 meters E, 4695622 meters N, zone 12 NAD83.

A1—0 to 4 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine granular structure; slightly hard, very

friable, slightly sticky, slightly plastic; many very fine and common fine and medium roots; many very fine and fine irregular pores; 3 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

A2—4 to 8 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky parting to moderate fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; common fine and medium roots; common very fine and fine irregular and common fine tubular pores; 3 percent gravel; noneffervescent; neutral (pH 7.2); clear smooth boundary.

Bt1—8 to 14 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate medium and coarse subangular blocky structure; hard, friable, slightly sticky, slightly plastic; common fine and medium and few coarse roots; common fine and medium and few coarse tubular pores; 10 percent distinct clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 7.2); clear smooth boundary.

Bt2—14 to 32 inches; pale brown (10YR 6/3) silty clay loam, brown (10YR 4/3) moist; moderate medium and coarse subangular blocky structure; hard, friable, moderately sticky, moderately plastic; few fine, common medium, and few coarse roots; common fine and medium tubular pores; 4 percent distinct clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 7.2); gradual smooth boundary.

Bt3—32 to 60 inches; pale brown (10YR 6/3) gravelly silty clay loam, brown (10YR 4/3) moist; moderate medium and coarse subangular blocky structure; very hard, friable, moderately sticky, moderately plastic; few fine roots; common fine and few medium tubular pores; 70 percent distinct clay films on faces of peds and in pores; 20 percent gravel; noneffervescent; neutral (pH 7.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 22 to 30 percent

Content of rock fragments: 5 to 25 percent gravel

Reaction: pH 6.6 to 7.4

Bt2 horizon(s):

Organic matter content: 0.25 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 22 to 30 percent

Content of rock fragments: 5 to 25 percent gravel

Reaction: pH 6.6 to 7.4

Bt3 horizon(s):

Organic matter content: 0 to 0.25 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 22 to 30 percent
Content of rock fragments: 5 to 25 percent gravel
Reaction: pH 6.6 to 7.4

Cokeville Series

Depth class: Deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and/or conglomerate
Slope range: 5 to 35 percent
Elevation: 6,240 to 7,700 feet
Mean annual precipitation: 13 to 20 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 65 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Haploxeralfs

Typical Pedon

Cokeville gravelly loam; located in an area of Pontuge-Cokeville complex, 10 to 35 percent slopes; in shrub cover; 900 feet east, 50 feet north of the southwest corner of section 15, T 16 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 1 minutes, 28.00 seconds north latitude and 111 degrees, 4 minutes, 9.40 seconds west longitude; UTM 494265 meters E, 4652491 meters N, zone 12 NAD83.

- A—0 to 2 inches; brown (7.5YR 4/4) gravelly loam, dark brown (7.5YR 3/4) moist; moderate thin and medium platy structure parting to moderate fine granular; soft, very friable, slightly sticky, slightly plastic; many very fine, fine, and medium roots; many fine interstitial pores; 20 percent gravel and 5 percent cobbles; slightly effervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.
- BA—2 to 5 inches; reddish brown (5YR 5/4) gravelly silt loam, dark reddish brown (5YR 3/4) moist; strong fine subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine, fine, and medium roots; many fine interstitial and many very fine and fine tubular pores; 15 percent gravel; slightly effervescent; slightly alkaline (pH 7.8); abrupt wavy boundary.
- Bt—5 to 9 inches; reddish brown (5YR 5/4) gravelly clay loam, yellowish red (5YR 4/6) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; many very fine, fine, and medium roots between peds; common fine interstitial and tubular pores; 40 percent discontinuous faint clay films on faces of peds and in pores; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); (noneffervescent in areas of clay films); clear wavy boundary.
- Btk1—9 to 15 inches; reddish brown (5YR 5/4) gravelly loam, yellowish red (5YR 4/6) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; many very fine, fine, and medium roots between peds; many very fine and fine tubular pores; 40 percent discontinuous faint clay films on faces of peds and in pores; 10 percent irregular carbonate

threads; 25 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

Btk2—15 to 31 inches; yellowish red (5YR 5/6) gravelly silt loam, yellowish red (5YR 4/6) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, slightly plastic; few very fine and fine roots between peds; many very fine tubular pores; 15 percent discontinuous faint clay films on faces of peds and in pores; 1 percent fine irregular carbonate masses and 20 percent fine irregular carbonate threads; 25 percent gravel; violently effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.

Btk3—31 to 43 inches; reddish yellow (5YR 6/6) gravelly silty clay loam, yellowish red (5YR 4/6) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, slightly plastic; few very fine and fine roots between peds; many very fine tubular pores; 40 percent discontinuous faint clay films on faces of peds and in pores; 1 percent fine irregular carbonate masses and 20 percent fine irregular carbonate threads; 30 percent gravel; strongly effervescent; moderately alkaline (pH 8.4); abrupt wavy boundary.

2Bk—43 to 56 inches; red (2.5YR 4/6) silty clay loam, dark red (2.5YR 3/6) moist; moderate fine subangular blocky structure; hard, firm, slightly sticky, moderately plastic; few very fine interstitial pores; 10 percent weakly cemented carbonate masses; slightly effervescent; moderately alkaline (pH 8.4); clear wavy boundary.

2Cr—56 to 60 inches; reddish brown (2.5YR 5/4) weathered sandstone bedrock, crushes to sandy loam, reddish brown (2.5YR 4/4) moist.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 23 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.4 to 8.0

BA horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 15 to 23 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.4 to 8.0

Bt horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 27 to 35 percent

Content of rock fragments: 15 to 35 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.4 to 8.2

Btk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam, loam

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Clay content: 18 to 35 percent
Content of rock fragments: 15 to 35 percent gravel
Calcium-carbonate equivalent: 15 to 40 percent
Reaction: pH 7.9 to 8.4

Btk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, silty clay loam, loam
Clay content: 18 to 35 percent
Content of rock fragments: 15 to 35 percent gravel
Calcium-carbonate equivalent: 15 to 40 percent
Reaction: pH 7.9 to 8.4

Btk3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, silty clay loam, loam
Clay content: 18 to 35 percent
Content of rock fragments: 15 to 35 percent gravel
Calcium-carbonate equivalent: 15 to 40 percent
Reaction: pH 7.9 to 8.4

2Bk horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam, clay loam
Clay content: 34 to 40 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 20 to 40 percent
Reaction: pH 7.9 to 8.4

2Cr horizon(s):

Texture: Bedrock

Cookcan Series

Depth class: Very deep
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Landform: Flood plains
Parent material: Mixed silty alluvium over mixed sandy and gravelly alluvium
Slope range: 0 to 2 percent
Elevation: 5,810 to 6,230 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Aeric Calciaquolls

Typical Pedon

Cookcan silt loam; located in an area of Millerditch-Cookcan complex, 0 to 2 percent slopes; in rangeland; 1,745 feet south, 450 feet east of the northwest corner of section 12, T 15 S., R 45 E.; Pegram, Idaho USGS quadrangle; 42 degrees, 8 minutes, 5.00 seconds north latitude and 111 degrees, 8 minutes, 54.10 seconds west longitude; UTM 487738 meters E, 4664744 meters N, zone 12 NAD83.

Ak1—0 to 3 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium granular structure; slightly hard,

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very friable, slightly sticky, slightly plastic; many very fine and fine roots; common very fine irregular pores; percent carbonate, finely disseminated and 1 percent fine spherical weakly cemented lime masses; violently effervescent (17 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear smooth boundary.

Ak2—3 to 9 inches; grayish brown (10YR 5/2) silty clay, very dark gray (10YR 3/1) moist; moderate medium subangular blocky structure; very hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; few fine vesicular and common fine tubular and irregular pores; carbonate, finely disseminated and 1 percent fine spherical weakly cemented lime masses; violently effervescent (19 percent calcium-carbonate equivalent); slightly alkaline (pH 7.4); abrupt smooth boundary.

Bk—9 to 12 inches; grayish brown (10YR 5/2) silty clay loam, very dark gray (10YR 3/1) moist; moderate medium and fine subangular blocky structure; very hard, friable, slightly sticky, moderately plastic; common very fine and fine and few medium roots; common fine tubular and irregular pores; carbonate, finely disseminated and 1 percent fine spherical weakly cemented lime masses; violently effervescent (16 percent calcium-carbonate equivalent); slightly alkaline (pH 7.4); clear wavy boundary.

2Bkg1—12 to 24 inches; light gray (10YR 7/2) fine sandy loam, grayish brown (10YR 5/2) moist; moderate coarse subangular blocky structure; slightly hard, very friable, slightly sticky, nonplastic; common very fine and fine and few medium roots; common fine tubular and common fine and medium irregular pores; 1 percent medium prominent irregular very dark gray (5Y 3/1) dry, iron depletions throughout and 10 percent medium distinct irregular yellowish brown (10YR 5/4) moist, masses of oxidized iron throughout; carbonate, finely disseminated and 1 percent fine spherical weakly cemented lime masses; violently effervescent (19 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

2Bkg2—24 to 35 inches; very pale brown (10YR 7/3) fine sandy loam, grayish brown (10YR 5/2) moist; massive; soft, very friable, slightly sticky, slightly plastic; common very fine and fine and few medium roots; few fine tubular and common fine and medium irregular pores; 10 percent fine prominent irregular strong brown (7.5YR 4/6) moist, masses of oxidized iron throughout and 10 percent medium prominent irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron throughout; carbonate, finely disseminated and 1 percent fine spherical weakly cemented lime masses; violently effervescent (15 percent calcium-carbonate equivalent); slightly alkaline (pH 7.6); clear smooth boundary.

2Bkg3—35 to 40 inches; light brownish gray (10YR 6/2) loam, dark gray (10YR 4/1) moist; massive; hard, very friable, slightly sticky, moderately plastic; common very fine and fine and few medium roots; few fine tubular and irregular pores; 10 percent medium distinct irregular brown (10YR 4/3) moist, masses of oxidized iron; carbonate, finely disseminated and 1 percent fine spherical weakly cemented lime masses; violently effervescent (11 percent calcium-carbonate equivalent); slightly alkaline (pH 7.4); clear smooth boundary.

2Cg1—40 to 45 inches; gray (10YR 6/1) loamy sand, dark gray (10YR 4/1) moist; single grain; loose, nonsticky, nonplastic; common fine and medium and few very fine and coarse roots; few fine irregular pores; carbonate, finely disseminated; violently effervescent (6 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear smooth boundary.

2Cg2—45 to 58 inches; gray (10YR 6/1) loam, dark gray (10YR 4/1) moist; massive; soft, very friable, slightly sticky, nonplastic; few very fine and common fine and medium roots; few fine irregular pores; carbonate, finely disseminated; violently effervescent (10 percent calcium-carbonate equivalent); moderately alkaline (pH 7.9); abrupt smooth boundary.

3Cg—58 to 61 inches; very gravelly loamy sand; single grain; loose, nonsticky, nonplastic; many fine and medium irregular pores; carbonate, finely disseminated; violently effervescent (7 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: 3 to 13 inches to abrupt textural change

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 10 to 18 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

Ak1 horizon(s):

Organic matter content: 7 to 10 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Calcium-carbonate equivalent: 5 to 20 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.4

Ak2 horizon(s):

Organic matter content: 4 to 7 percent

Texture (less than 2 mm): Silty clay loam, silty clay

Clay content: 30 to 45 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 25 to 35 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

2Bkg1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Sandy loam, loam, fine sandy loam

Clay content: 10 to 15 percent

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

2Bkg2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, fine sandy loam, sandy loam

Clay content: 10 to 15 percent

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Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

2Bkg3 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Fine sandy loam, loam, sandy loam

Clay content: 10 to 15 percent

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

2Cg horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, loamy sand

Clay content: 5 to 15 percent

Content of rock fragments: 0 to 6 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.8 to 8.4

3Cg horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand, fine sandy loam

Clay content: 5 to 10 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 2 to 55 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.8 to 8.4

Cooley Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Sandy and gravelly colluvium derived from sandstone

Slope range: 40 to 65 percent

Elevation: 5,990 to 7,380 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Cooley very gravelly sandy loam; located in an area of Cooley-Beehunt complex, dry, 20 to 65 percent slopes; in shrub cover; 2,571 feet west, 190 feet south of the northwest corner of section 30, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 5 minutes, 44.20 seconds north latitude and 111 degrees, 14 minutes, 18.70 seconds west longitude; UTM 480274 meters E, 4660419 meters N, zone 12 NAD83.

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- A—0 to 2 inches; brown (10YR 5/3) very gravelly sandy loam, dark brown (7.5YR 3/2) moist; moderate very fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; many fine interstitial pores; 30 percent gravel and 10 percent cobbles; noneffervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.
- AB—2 to 10 inches; brown (7.5YR 5/4) very gravelly sandy loam, dark brown (7.5YR 3/2) moist; weak very fine and fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; many fine interstitial pores; 30 percent gravel and 5 percent cobbles; noneffervescent; slightly alkaline (pH 7.8); clear wavy boundary.
- Bw—10 to 22 inches; brown (7.5YR 5/4) very gravelly sandy loam, brown (7.5YR 4/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many very fine and fine interstitial pores; 40 percent gravel and 5 percent cobbles; noneffervescent; slightly alkaline (pH 7.8); clear wavy boundary.
- Bk1—22 to 33 inches; light brown (7.5YR 6/4) very gravelly sandy loam, brown (7.5YR 5/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; many very fine and fine interstitial and few very fine tubular pores; 40 percent gravel and 5 percent cobbles; common lime coats on rock fragments; slightly effervescent (5 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.
- Bk2—33 to 53 inches; pink (7.5YR 7/4) extremely gravelly sandy loam, light brown (7.5YR 6/4) moist; weak fine and medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; common very fine and fine roots; many very fine and fine interstitial and few very fine tubular pores; 50 percent gravel and 10 percent cobbles; common lime coats on rock fragments; strongly effervescent (7 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); gradual wavy boundary.
- Bk3—53 to 60 inches; pink (7.5YR 8/4) extremely gravelly sandy loam, pinkish gray (7.5YR 7/2) moist; moderate fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; few very fine and fine roots; common very fine and fine tubular and interstitial pores; 50 percent gravel, 15 percent cobbles, and 5 percent stones; many lime coats on rock fragments; violently effervescent (16 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Sandy loam

Clay content: 6 to 12 percent

Content of rock fragments:

- 0 to 1 percent stones
- 5 to 10 percent cobbles
- 30 to 40 percent gravel

Reaction: pH 7.4 to 7.8

AB horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 7 to 15 percent

Content of rock fragments:

- 0 to 2 percent stones
- 5 to 10 percent cobbles
- 30 to 40 percent gravel

Reaction: pH 7.4 to 7.8

Bw horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 7 to 15 percent

Content of rock fragments:

- 0 to 2 percent stones
- 5 to 10 percent cobbles
- 30 to 50 percent gravel

Reaction: pH 7.4 to 7.8

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam

Clay content: 7 to 12 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 15 percent cobbles
- 30 to 55 percent gravel

Calcium-carbonate equivalent: 5 to 16 percent

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam

Clay content: 7 to 12 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 15 percent cobbles
- 30 to 55 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam

Clay content: 7 to 12 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 15 percent cobbles
- 30 to 55 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.9 to 8.6

Crossley Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite

Soil Survey of Bear Lake County Area, Idaho

Slope range: 4 to 40 percent

Elevation: 5,930 to 6,940 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Lithic Calcixerepts

Typical Pedon

Crossley extremely gravelly loam; located in an area of Crossley-Rock outcrop complex, 4 to 35 percent slopes; in shrub cover; 225 feet west, 150 feet north of the southeast corner of section 10, T 15 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 7 minutes, 35.50 seconds north latitude and 111 degrees, 24 minutes, 22.60 seconds west longitude; UTM 466421 meters E, 4663904 meters N, zone 12 NAD83.

A—0 to 3 inches; pale brown (10YR 6/3) extremely gravelly loam, dark yellowish brown (10YR 4/4) moist; moderate medium platy structure parting to moderate fine granular; soft, friable, nonsticky, nonplastic; few fine roots; many very fine and fine tubular and interstitial pores; carbonate, finely disseminated throughout; 40 percent gravel and 20 percent cobbles; violently effervescent (10 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

Bk1—3 to 11 inches; light yellowish brown (10YR 6/4) very stony sandy loam, dark yellowish brown (10YR 4/4) moist; weak medium subangular blocky structure; soft, friable, nonsticky, nonplastic; many fine roots; many very fine and fine tubular pores; 15 percent carbonate nodules on bottom of rock fragments and carbonate, finely disseminated throughout; 20 percent gravel, 10 percent cobbles, and 25 percent stones; violently effervescent (16 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); clear wavy boundary.

Bk2—11 to 17 inches; very pale brown (10YR 7/3) extremely stony sandy loam, yellowish brown (10YR 5/4) moist; massive; soft, friable, nonsticky, nonplastic; common fine roots; common very fine tubular pores; carbonate, finely disseminated throughout and 18 percent carbonate nodules on bottom of rock fragments; 5 percent gravel, 30 percent cobbles, and 30 percent stones; violently effervescent (20 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); abrupt smooth boundary.

R—17 to 60 inches; indurated sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 0 to 2 percent stones
- 10 to 25 percent cobbles
- 23 to 45 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 15 to 35 percent stones
- 10 to 35 percent cobbles
- 17 to 28 percent gravel

Calcium-carbonate equivalent: 20 to 35 percent

Reaction: pH 7.8 to 8.6

Bk2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 20 to 35 percent stones
- 20 to 35 percent cobbles
- 5 to 18 percent gravel

Calcium-carbonate equivalent: 20 to 35 percent

Reaction: pH 7.8 to 8.6

R horizon(s):

Texture: Bedrock

Cupine Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes, ridges

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 4 to 60 percent

Elevation: 5,940 to 7,610 feet

Mean annual precipitation: 13 to 24 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Haploxerolls

Typical Pedon

Cupine channery sandy loam; located in an area of Cupine-Falula complex, dry, 5 to 50 percent slopes; in shrub cover; 855 feet south, 890 feet east of the northwest corner of section 20, T 16 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 1 minutes, 42.40 seconds north latitude and 111 degrees, 13 minutes, 27.50 seconds west longitude; UTM 481432 meters E, 4652897 meters N, zone 12 NAD83.

A—0 to 3 inches; brown (10YR 4/3) channery sandy loam, dark brown (10YR 3/3) moist; moderate very fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; many very fine and fine interstitial pores; 15 percent channers; noneffervescent; neutral (pH 7.1); abrupt smooth boundary.

Bw1—3 to 10 inches; brown (7.5YR 4/4) channery sandy loam, dark reddish brown (5YR 3/3) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, nonplastic; common very fine, fine, and medium roots; many

very fine interstitial pores; 20 percent channers; noneffervescent; neutral (pH 6.9); clear smooth boundary.

Bw2—10 to 17 inches; brown (7.5YR 4/4) channery sandy loam, brown (7.5YR 4/4) moist; weak thick platy and moderate medium angular blocky structure; slightly hard, firm, nonsticky, nonplastic; common very fine and fine roots; common fine and medium interstitial pores; 20 percent channers; noneffervescent; neutral (pH 6.8); clear wavy boundary.

2BC—17 to 23 inches; brown (7.5YR 5/4) extremely channery sandy loam, brown (7.5YR 4/4) moist; weak medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; few very fine and fine roots; common very fine interstitial pores; 65 percent channers and 25 percent flagstones; noneffervescent; neutral (pH 6.7); abrupt wavy boundary.

R—23 to 60 inches; sandstone bedrock; 1 percent patchy, faint carbonate coats on rock fragments.

Range in Characteristics

Depth to restrictive feature: 20 to 35 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Sandy loam

Clay content: 8 to 15 percent

Content of rock fragments:

- 0 to 2 percent flagstones
- 10 to 25 percent channers

Reaction: pH 6.6 to 7.5

Bw1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 10 to 20 percent

Content of rock fragments:

- 0 to 2 percent flagstones
- 10 to 50 percent channers

Reaction: pH 6.6 to 7.5

Bw2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 20 percent

Content of rock fragments:

- 0 to 2 percent flagstones
- 10 to 50 percent channers

Reaction: pH 6.6 to 7.5

2BC horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Sandy loam

Clay content: 7 to 12 percent

Content of rock fragments:

- 10 to 25 percent flagstones
- 55 to 65 percent channers

Reaction: pH 6.6 to 7.5

R horizon(s):

Texture: Bedrock

Cutoff Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 50 percent

Elevation: 6,070 to 7,450 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerepts

Typical Pedon

Cutoff gravelly loam; located in an area of Dipcreek-Cutoff-Sheep Creek complex, 5 to 50 percent slopes; in shrub cover; 2,438 feet south, 1,975 feet west of the northeast corner of section 23, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 6 minutes, 13.90 seconds north latitude and 111 degrees, 9 minutes, 26.80 seconds west longitude; UTM 486982 meters E, 4661321 meters N, zone 12 NAD83.

A1—0 to 3 inches; brown (7.5YR 4/2) gravelly loam, dark brown (7.5YR 3/3) moist; weak fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many very fine and fine interstitial pores; 15 percent gravel; very slightly effervescent; slightly alkaline (pH 7.4); clear wavy boundary.

A2—3 to 5 inches; brown (7.5YR 4/3) loam, dark brown (7.5YR 3/4) moist; weak fine granular structure; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; many very fine and fine interstitial pores; 10 percent gravel; slightly effervescent; slightly alkaline (pH 7.5); clear wavy boundary.

Bk1—5 to 9 inches; brown (7.5YR 5/4) gravelly loam, brown (7.5YR 4/4) moist; moderate fine subangular blocky structure; moderately hard, friable, slightly sticky, slightly plastic; few very fine roots; few fine tubular and many very fine and fine interstitial pores; carbonate, finely disseminated and 1 percent fine threadlike carbonate threads; 20 percent gravel and 10 percent paragravel; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Bk2—9 to 23 inches; light brown (7.5YR 6/4) very gravelly loam, brown (7.5YR 4/4) moist; moderate medium subangular blocky structure; moderately hard, friable, slightly sticky, slightly plastic; few very fine and fine roots; common very fine and fine interstitial pores; 25 percent weakly cemented lime masses and 25 percent coarse lime concretions on bottom of rock fragments; 40 percent gravel and 10 percent paragravel; violently effervescent; moderately alkaline (pH 8.4); abrupt wavy boundary.

R—23 to 60 inches; indurated calcareous fractured red sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 20 percent

Soil Survey of Bear Lake County Area, Idaho

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 5 percent cobbles
- 15 to 30 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.4 to 7.8

A2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 20 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 5 percent cobbles
- 10 to 30 percent gravel

Calcium-carbonate equivalent: 2 to 10 percent

Reaction: pH 7.5 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 10 to 25 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 10 percent cobbles
- 15 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent

Sodium-adsorption ratio: 1 to 3

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 25 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 15 percent cobbles
- 30 to 65 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent

Sodium-adsorption ratio: 1 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

R horizon(s):

Texture: Bedrock

Dennot Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Mixed gravelly alluvium, slope alluvium, and/or colluvium derived from conglomerate

Slope range: 2 to 35 percent

Soil Survey of Bear Lake County Area, Idaho

Elevation: 5,930 to 7,350 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Dennot loam; located in an area of Dennot-Thatcher complex, dry, 2 to 20 percent slopes; in shrub cover; 2,820 feet west, 765 feet north of the southeast corner of section 13, T 16 S., R 44 E.; Bear Lake North, Idaho USGS quadrangle; 42 degrees, 1 minutes, 56.90 seconds north latitude and 111 degrees, 15 minutes, 30.00 seconds west longitude; UTM 478617 meters E, 4653414 meters N, zone 12 NAD83.

A—0 to 6 inches; brown (7.5YR 5/3) loam, dark brown (7.5YR 3/3) moist; weak fine and medium subangular blocky structure parting to weak very fine and fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine irregular pores; carbonate, finely disseminated throughout; 10 percent gravel; strongly effervescent (10 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear smooth boundary.

Bk1—6 to 20 inches; brown (7.5YR 5/4) gravelly loam, brown (7.5YR 4/3) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common fine and coarse roots; few fine and common very fine tubular pores; carbonate, finely disseminated throughout and 1 percent fine carbonate nodules; 20 percent gravel; strongly effervescent (15 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); gradual wavy boundary.

Bk2—20 to 42 inches; light brown (7.5YR 6/3) extremely gravelly sandy loam, brown (7.5YR 5/4) moist; weak fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; few fine roots; many very fine and fine irregular pores; carbonate, finely disseminated throughout and carbonate concretions on bottom of rock fragments; 70 percent gravel; violently effervescent (21 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); abrupt wavy boundary.

Bk3—42 to 49 inches; extremely gravelly loamy sand, brown (7.5YR 5/3) moist; single grain; loose, nonsticky, nonplastic; few fine and common very fine roots; many very fine and fine irregular pores; carbonate, finely disseminated throughout and carbonate concretions on bottom of rock fragments; 60 percent gravel; violently effervescent (7 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.

2Bk4—49 to 62 inches; brown (7.5YR 5/3) extremely gravelly loam, brown (7.5YR 4/3) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few fine roots; common very fine tubular pores; carbonate, finely disseminated throughout and fine and medium carbonate concretions on bottom of rock fragments and fine and medium irregular carbonate bands throughout; 75 percent gravel; violently effervescent (20 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 5 to 15 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.77 to 1 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 20 to 40 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 30 to 70 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0.12 to 0.50 percent

Texture (less than 2 mm): Loamy sand, sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 30 to 70 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

2Bk4 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 35 to 75 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

Dingle Series

Depth class: Very deep

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Marshes

Parent material: Herbaceous organic material over mixed silty lacustrine deposits

Slope range: 0 to 2 percent

Elevation: 5,920 to 5,930 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 85 to 100 days

Taxonomic class: Loamy, mixed, euic, frigid Terric Haplosaprists

Typical Pedon

Dingle muck; located in an area of Dingle muck, 0 to 2 percent slopes; in rangeland; 6,260 feet east, 1,250 feet south of the northwest corner of section 7, T 15 S., R 44 E.; Dingle, Idaho USGS quadrangle; 42 degrees, 8 minutes, 13.50 seconds north latitude and 111 degrees, 20 minutes, 35.90 seconds west longitude; UTM 471629 meters E, 4665053 meters N, zone 12 NAD83.

Oa1—0 to 6 inches; very dark brown (10YR 2/2) muck, moist; gradual smooth boundary.

Oa2—6 to 18 inches; very dark brown (10YR 2/2) and black (10YR 2/1) muck, moist; gradual smooth boundary.

Oa3—18 to 23 inches; very dark brown (10YR 2/2) and black (10YR 2/1) muck, moist; gradual smooth boundary.

Cg1—23 to 36 inches; dark gray (2.5Y 4/1) silt loam, very dark gray (2.5Y 3/1) moist; slightly hard, very friable, nonsticky, slightly plastic; many very fine roots; carbonate, finely disseminated; strongly effervescent; moderately alkaline (pH 8.2); gradual smooth boundary.

Cg2—36 to 60 inches; dark gray (2.5Y 4/1) silt loam, black (5Y 2/1) moist; slightly hard, very friable, slightly sticky, slightly plastic; many very fine roots; carbonate, finely disseminated; strongly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 0 to 6 inches

Ponding:

- Month(s): January, February, March, April, May, June, July, October, November, December
- Frequency: Frequent
- Duration: Long
- Depth: 0 to 24 inches

Oa1 horizon(s):

Organic matter content: 30 to 55 percent

Texture: Muck

Clay content: 18 to 28 percent

Reaction: pH 4.5 to 6.5

Oa2 horizon(s):

Organic matter content: 30 to 55 percent

Texture: Muck

Clay content: 18 to 28 percent

Reaction: pH 4.5 to 6.5

Oa3 horizon(s):

Organic matter content: 30 to 55 percent

Texture: Muck

Clay content: 18 to 28 percent

Reaction: pH 4.5 to 6.5

Cg1 horizon(s):

Organic matter content: 3 to 7 percent

Texture (less than 2 mm): Silt loam, silty clay loam

Clay content: 18 to 28 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 1

Reaction: pH 7.9 to 8.4

Cg2 horizon(s):

Organic matter content: 3 to 7 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 18 to 28 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 1

Reaction: pH 7.9 to 8.4

Dinswamp Series

Depth class: Very deep

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Marshes

Parent material: Herbaceous organic material over mixed silty lacustrine deposits

Slope range: 0 to 2 percent

Elevation: 5,920 to 5,950 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 85 to 100 days

Taxonomic class: Fine-silty, mixed, superactive, calcareous, frigid Histic Humaquepts

Typical Pedon

Dinswamp mucky peat; located in an area of Dinswamp mucky peat, 0 to 2 percent slopes; in rangeland; 4,620 feet east, 1,320 feet south of the northwest corner of section 7, T 15 S., R 44 E.; Dingle, Idaho USGS quadrangle; 42 degrees, 8 minutes, 12.70 seconds north latitude and 111 degrees, 20 minutes, 57.50 seconds west longitude; UTM 471134 meters E, 4665030 meters N, zone 12 NAD83.

- Oe1—0 to 2 inches; dark gray (10YR 4/1) mucky peat, black (2.5Y 2/1) moist; clear smooth boundary.
- Oe2—2 to 10 inches; dark gray (N 4/0) mucky peat, black (2.5Y 2/1) moist; 10 percent shell fragments; gradual smooth boundary.
- Oe3—10 to 12 inches; gray (2.5Y 5/1) mucky peat, dark gray (2.5Y 4/1) moist; 10 percent shell fragments; gradual smooth boundary.
- 2Bg1—12 to 18 inches; pale yellow (2.5Y 8/2) silty clay loam, light brownish gray (2.5Y 6/2) moist; weak medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; few fine roots; many very fine and fine pores; carbonate, finely disseminated and 20 percent shell fragments; strongly effervescent; strongly alkaline (pH 8.8); gradual smooth boundary.
- 2Bg2—18 to 40 inches; pale yellow (5Y 8/2) silty clay loam, light olive gray (5Y 6/2) moist; weak medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; few fine roots; common fine, medium, and coarse pores; carbonate, finely disseminated; violently effervescent; strongly alkaline (pH 8.6); gradual smooth boundary.
- 2Cg—40 to 60 inches; pale yellow (5Y 8/2) fine sandy loam, light olive gray (5Y 6/2) moist; massive; soft, very friable, nonsticky, nonplastic; few fine roots; common fine, medium, and coarse pores; carbonate, finely disseminated; violently effervescent; strongly alkaline (pH 8.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 0 to 12 inches

Ponding:

- Month(s): January, February, March, April, May, June, July, October, November, December
- Frequency: Frequent
- Duration: Very long
- Depth: 0 to 18 inches

Oe1 horizon(s):

Texture: Mucky peat

Oe2 horizon(s):

Texture: Mucky peat

Oe3 horizon(s):

Texture: Mucky peat

2Bg1 horizon(s):

Organic matter content: 3 to 7 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 20 to 34 percent

Calcium-carbonate equivalent: 30 to 40 percent

Sodium-adsorption ratio: 12 to 20

Electrical conductivity (mmhos/cm): 2 to 6

Reaction: pH 7.9 to 9.0

2Bg2 horizon(s):

Organic matter content: 3 to 7 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 20 to 34 percent

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Calcium-carbonate equivalent: 30 to 40 percent

Sodium-adsorption ratio: 0 to 1

Electrical conductivity (mmhos/cm): 0 to 4

Reaction: pH 8.0 to 9.0

2Cg horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Silty clay loam, silt loam, fine sandy loam

Clay content: 18 to 30 percent

Calcium-carbonate equivalent: 30 to 40 percent

Sodium-adsorption ratio: 12 to 20

Electrical conductivity (mmhos/cm): 2 to 6

Reaction: pH 8.0 to 9.0

Dipcreek Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes, mountain slopes, ridges

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 4 to 55 percent

Elevation: 5,920 to 7,450 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Lithic Haploxerolls

Typical Pedon

Dipcreek gravelly loam; located in an area of Prucree-Dipcreek complex, 4 to 20 percent slopes; in shrub cover; 935 feet east, 1,135 feet north of the southeast corner of section 4, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 24 minutes, 18.70 seconds north latitude and 111 degrees, 4 minutes, 39.80 seconds west longitude; UTM 493603 meters E, 4694770 meters N, zone 12 NAD83.

A—0 to 4 inches; dark grayish brown (10YR 4/2) gravelly loam, dark brown (7.5YR 3/2) moist; strong very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine roots; many very fine irregular pores; 15 percent gravel and 1 percent stones; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.

BA—4 to 9 inches; dark grayish brown (10YR 4/2) very cobbly loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure; hard, friable, slightly sticky, slightly plastic; few fine and common very fine roots; many very fine tubular pores; 10 percent gravel and 30 percent cobbles; noneffervescent; neutral (pH 7.2); abrupt wavy boundary.

Bw1—9 to 15 inches; brown (10YR 4/3) extremely cobbly loam, dark brown (7.5YR 3/2) moist; moderate very fine and fine subangular blocky structure; hard, friable, slightly sticky, slightly plastic; common very fine and coarse roots; many very fine tubular pores; 10 percent gravel and 60 percent cobbles; noneffervescent; neutral (pH 7.1); abrupt wavy boundary.

Bw2—15 to 18 inches; brown (7.5YR 4/3) extremely cobbly loam, dark brown (7.5YR 3/3) moist; moderate fine subangular blocky structure; hard, friable, slightly sticky, slightly plastic; common very fine roots; common very fine tubular pores; 5 percent gravel and 80 percent cobbles; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.

R—18 inches; reddish brown (5YR 5/3) indurated sandstone bedrock, dark reddish brown (5YR 3/3) moist.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 15 percent

Content of rock fragments:

- 1 to 3 percent stones
- 0 to 5 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.6 to 7.3

BA horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 10 to 17 percent

Content of rock fragments:

- 1 to 3 percent stones
- 30 to 55 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bw horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 12 to 17 percent

Content of rock fragments:

- 1 to 3 percent stones
- 20 to 70 percent cobbles
- 10 to 60 percent gravel

Reaction: pH 6.6 to 7.3

R horizon(s):

Texture: Bedrock

Dirtyhead Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 10 to 50 percent

Elevation: 5,890 to 7,150 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerepts

Typical Pedon

Dirtyhead channery loam; located in an area of Dirtyhead-Cedarhill complex, 12 to 45 percent slopes; in shrub cover; 690 feet south, 2,260 feet west of the northeast corner of section 9, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 13 minutes, 31.40 seconds north latitude and 111 degrees, 26 minutes, 0.80 seconds west longitude; UTM 464220 meters E, 4674892 meters N, zone 12 NAD83.

A—0 to 8 inches; light brownish gray (10YR 6/2) channery loam, dark grayish brown (10YR 4/2) moist; moderate very fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; common very fine irregular pores; 30 percent channers; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Bk1—8 to 18 inches; very pale brown (10YR 7/3) very channery loam, brown (10YR 5/3) moist; weak very fine and fine subangular blocky structure; soft, very friable, slightly sticky, nonplastic; many very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout; 35 percent channers; violently effervescent; moderately alkaline (pH 8.0); gradual wavy boundary.

Bk2—18 to 26 inches; very pale brown (10YR 7/3) very channery loam, brown (10YR 5/3) moist; weak very fine and fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; few very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout; 50 percent channers; violently effervescent; moderately alkaline (pH 8.0); gradual wavy boundary.

Bk3—26 to 32 inches; light gray (10YR 7/2) very channery loam, grayish brown (10YR 5/2) moist; weak very fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; few very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout; 50 percent channers; violently effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.

Cr—32 to 60 inches; moderately cemented calcareous siltstone bedrock.

Range in Characteristics

Depth to restrictive feature: 25 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 14 to 20 percent

Content of rock fragments: 0 to 35 percent channers

Calcium-carbonate equivalent: 10 to 20 percent

Electrical conductivity (mmhos/cm): 0

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.40 to 1 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 10 to 16 percent

Content of rock fragments: 25 to 50 percent channers

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Loam, silt loam

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Clay content: 10 to 16 percent
Content of rock fragments: 25 to 50 percent channers
Calcium-carbonate equivalent: 15 to 35 percent
Electrical conductivity (mmhos/cm): 0 to 1
Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0.10 to 0.50 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 10 to 16 percent
Content of rock fragments: 25 to 50 percent channers
Calcium-carbonate equivalent: 15 to 35 percent
Electrical conductivity (mmhos/cm): 0 to 1
Reaction: pH 7.9 to 8.4

Cr horizon(s):

Texture: Bedrock

Dollarhide Series

Depth class: Shallow
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Slope alluvium and/or colluvium over residuum weathered from quartzite
Slope range: 5 to 60 percent
Elevation: 6,030 to 7,560 feet
Mean annual precipitation: 16 to 24 inches
Mean annual air temperature: 36 to 41 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Lithic Haplocryolls

Typical Pedon

Dollarhide very gravelly sandy loam; located in an area of Dollarhide-Grunder complex, 15 to 50 percent slopes; in shrub cover; 485 feet north, 695 feet east of the southwest corner of section 8, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 12 minutes, 50.70 seconds north latitude and 111 degrees, 27 minutes, 41.80 seconds west longitude; UTM 461898 meters E, 4673650 meters N, zone 12 NAD83.

- A1—0 to 6 inches; brown (7.5YR 5/2) very gravelly sandy loam, dark brown (7.5YR 3/2) moist; weak fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many very fine and fine interstitial pores; 30 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.6); gradual wavy boundary.
- A2—6 to 13 inches; brown (7.5YR 5/3) very gravelly sandy loam, dark brown (7.5YR 3/3) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; common fine and many very fine roots; many very fine and fine interstitial pores; 30 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.
- Bw—13 to 19 inches; light brown (7.5YR 6/3) extremely gravelly sandy loam, brown (7.5YR 4/3) moist; weak fine subangular blocky structure; soft, very friable, slightly sticky, nonplastic; common very fine roots; many very fine and fine interstitial

pores; 50 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.8); abrupt wavy boundary.
R—19 to 60 inches; indurated quartzite bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Sandy loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 30 to 40 percent gravel

Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 30 to 40 percent gravel

Reaction: pH 6.6 to 7.3

Bw horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 10 to 30 percent cobbles
- 25 to 55 percent gravel

Reaction: pH 6.6 to 7.3

R horizon(s):

Texture: Bedrock

Drage Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Loess influenced mixed gravelly slope alluvium and/or colluvium

Slope range: 5 to 50 percent

Elevation: 5,810 to 7,050 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Drage silt loam; located in an area of Cedarhill-Clegg-Drage complex, 5 to 55 percent slopes; in shrub cover; 1,715 feet south, 1,600 feet east of the northwest corner of section 22, T 12 S., R 43 E.; Ovid, Idaho USGS quadrangle; 42 degrees, 22

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minutes, 3.00 seconds north latitude and 111 degrees, 25 minutes, 9.80 seconds west longitude; UTM 465468 meters E, 4690667 meters N, zone 12 NAD83.

- A1—0 to 4 inches; very dark grayish brown (10YR 3/2) silt loam, very dark gray (10YR 3/1) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; many very fine and fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 6.6); clear wavy boundary.
- A2—4 to 10 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; strong fine and medium subangular blocky structure parting to moderate very fine and fine granular; moderately hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine irregular and common fine tubular pores; 10 percent gravel; noneffervescent; neutral (pH 6.8); gradual wavy boundary.
- Bt1—10 to 22 inches; brown (10YR 4/3) very gravelly silty clay loam, dark grayish brown (10YR 4/2) moist; strong fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; many very fine and fine roots; many very fine and fine tubular and few fine irregular pores; 10 percent patchy distinct clay films on vertical faces of peds and 10 percent patchy distinct clay films on surfaces along root channels; 30 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.6); gradual wavy boundary.
- Bt2—22 to 38 inches; dark yellowish brown (10YR 4/4) extremely cobbly silty clay loam, brown (10YR 4/3) moist; strong fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; few very fine roots; common very fine and fine tubular pores; 35 percent patchy distinct clay films on vertical faces of peds and 35 percent patchy distinct clay films on surfaces along root channels; 30 percent gravel and 30 percent cobbles; noneffervescent; neutral (pH 6.8); clear wavy boundary.
- Bk—38 to 60 inches; light brownish gray (10YR 6/2) extremely cobbly silt loam, grayish brown (10YR 5/2) moist; moderate fine subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; few very fine roots; few very fine and fine tubular pores; 10 percent lime masses; 30 percent gravel and 35 percent cobbles; strongly effervescent; moderately alkaline (pH 7.9).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 15 percent gravel

Reaction: pH 6.4 to 6.8

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 2 percent stones
- 5 to 15 percent gravel

Reaction: pH 6.4 to 6.8

Bt1 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 27 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 20 percent cobbles
- 5 to 40 percent gravel

Reaction: pH 6.6 to 7.2

Bt2 horizon(s):

Organic matter content: 0.25 to 0.50 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 27 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 15 to 35 percent cobbles
- 5 to 40 percent gravel

Reaction: pH 6.6 to 7.2

Bk horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 18 to 26 percent

Content of rock fragments:

- 0 to 5 percent stones
- 20 to 35 percent cobbles
- 20 to 39 percent gravel

Calcium-carbonate equivalent: 3 to 15 percent

Reaction: pH 7.6 to 8.4

Dranburn Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 5 to 50 percent

Elevation: 5,880 to 7,500 feet

Mean annual precipitation: 15 to 24 inches

Mean annual air temperature: 36 to 43 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Argicryolls

Typical Pedon

Dranburn silt loam; located in an area of Nielsen-Dranburn-Hagenbarth complex, 5 to 40 percent slopes; in forestland; 1,250 feet south, 700 feet west of the northeast corner of section 6, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 14 minutes, 17.20 seconds north latitude and 111 degrees, 28 minutes, 0.30 seconds west longitude; UTM 461489 meters E, 4676320 meters N, zone 12 NAD83.

Oe—0 to 2 inches; moderately decomposed plant material.

A1—2 to 11 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate fine and medium granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many fine tubular pores; 1 percent gravel; noneffervescent; slightly acid (pH 6.4); gradual wavy boundary.

A2—11 to 17 inches; brown (7.5YR 4/2) silt loam, dark brown (7.5YR 3/2) moist; moderate fine subangular blocky structure parting to moderate fine and medium granular; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; common very fine irregular and few very fine tubular pores; 1 percent gravel; noneffervescent; slightly acid (pH 6.4); clear wavy boundary.

Bt1—17 to 28 inches; brown (7.5YR 5/3) silty clay loam, dark brown (7.5YR 3/3) moist; moderate medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common fine tubular pores; 55 percent distinct clay films on surfaces along root channels and 70 percent distinct clay films on faces of peds; 10 percent gravel; noneffervescent; neutral (pH 6.6); gradual wavy boundary.

Bt2—28 to 38 inches; brown (7.5YR 5/4) silty clay loam, dark brown (7.5YR 3/4) moist; moderate medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and few fine roots; common fine tubular pores; 55 percent distinct clay films on surfaces along root channels and 70 percent distinct clay films on faces of peds; 10 percent gravel; noneffervescent; neutral (pH 6.6); clear wavy boundary.

BC—38 to 60 inches; light brown (7.5YR 6/4) silt loam, brown (7.5YR 5/4) moist; weak fine subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; few very fine and fine roots; common fine tubular pores; 10 percent gravel; noneffervescent; slightly acid (pH 6.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Oe horizon(s):

Texture: Moderately decomposed plant material

A1 horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 22 percent

Content of rock fragments: 1 to 6 percent gravel

Reaction: pH 6.1 to 7.3

A2 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 22 percent

Content of rock fragments: 1 to 6 percent gravel

Reaction: pH 6.1 to 7.3

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 34 percent

Content of rock fragments: 3 to 16 percent gravel

Reaction: pH 6.1 to 7.3

Bt2 horizon(s):

Organic matter content: 0.20 to 0.75 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 28 to 34 percent
Content of rock fragments: 3 to 16 percent gravel
Reaction: pH 6.1 to 7.3

BC horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam
Clay content: 18 to 24 percent
Content of rock fragments: 3 to 16 percent gravel
Reaction: pH 6.1 to 7.3

Draney Series

Depth class: Shallow
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes
Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash derived from volcanic and sedimentary rock
Slope range: 10 to 30 percent
Elevation: 5,910 to 6,890 feet
Mean annual precipitation: 15 to 20 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Loamy, mixed, superactive, frigid, shallow Typic Calcixerolls

Typical Pedon

Draney gravelly loam; located in an area of Redpine-Draney-Brushtop complex, 8 to 40 percent slopes; in shrub cover; 1,780 feet east, 960 feet north of the southwest corner of section 35, T 11 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 25 minutes, 5.30 seconds north latitude and 111 degrees, 24 minutes, 0.10 seconds west longitude; UTM 467089 meters E, 4696280 meters N, zone 12 NAD83.

A—0 to 6 inches; dark grayish brown (10YR 4/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium roots; 15 percent gravel; slightly effervescent; slightly alkaline (pH 7.6); clear smooth boundary.

Bk1—6 to 12 inches; pale brown (10YR 6/3) gravelly loam, brown (10YR 5/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and fine and few medium roots; 75 percent faint carbonate coats on rock fragments; carbonate, finely disseminated; 5 percent subrounded paragravel and 15 percent gravel; violently effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Bk2—12 to 18 inches; very pale brown (10YR 7/3) paragravelly loam, pale brown (10YR 6/3) moist; weak fine and medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; few very fine and fine roots; 75 percent faint carbonate coats on rock fragments; carbonate, finely disseminated; 10 percent gravel and 20 percent paragravel; violently effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.

2Cr—18 to 60 inches; light gray (2.5Y 7/2) weakly cemented calcareous tuffaceous siltstone.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 2 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 18 percent

Content of rock fragments: 1 to 25 percent gravel

Calcium-carbonate equivalent: 10 to 20 percent

Reaction: pH 7.6 to 8.0

Bk1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 10 to 20 percent gravel
- 5 to 20 percent parafragments

Calcium-carbonate equivalent: 25 to 35 percent

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 5 to 17 percent gravel
- 5 to 20 percent parafragments

Calcium-carbonate equivalent: 25 to 35 percent

Reaction: pH 7.9 to 8.4

2Cr horizon(s):

Texture: Bedrock

Dranyon Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Mountain slopes

Parent material: Loess influenced mixed gravelly colluvium

Slope range: 10 to 60 percent

Elevation: 5,980 to 7,660 feet

Mean annual precipitation: 18 to 26 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Argicryolls

Typical Pedon

Dranyon silt loam; located in an area of Lag-Dranyon complex, 10 to 60 percent slopes; in forestland; 188 feet east, 477 feet south of the northwest corner of section 7, T 11 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 29 minutes, 12.30 seconds north latitude and 111 degrees, 29 minutes, 10.50 seconds west longitude; UTM 460038 meters E, 4703932 meters N, zone 12 NAD83.

- A1—0 to 3 inches; dark gray (7.5YR 4/1) silt loam, very dark gray (7.5YR 3/1) moist; strong very fine and fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine roots; many very fine irregular pores; 10 percent gravel; noneffervescent; slightly acid (pH 6.2); clear smooth boundary.
- A2—3 to 9 inches; brown (7.5YR 4/3) gravelly silt loam, dark brown (7.5YR 3/2) moist; moderate fine and medium granular structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine irregular and few fine tubular pores; 15 percent gravel; noneffervescent; slightly acid (pH 6.2); clear smooth boundary.
- Bt1—9 to 20 inches; brown (7.5YR 5/3) gravelly silty clay loam, dark brown (7.5YR 3/3) moist; moderate fine and medium subangular blocky structure; moderately hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium and coarse roots; common fine and medium tubular pores; 55 percent distinct clay films on surfaces along root channels and 70 percent distinct clay films on faces of peds; 15 percent gravel; noneffervescent; slightly acid (pH 6.5); clear wavy boundary.
- Bt2—20 to 26 inches; brown (7.5YR 5/4) very gravelly silty clay loam, brown (7.5YR 4/3) moist; moderate medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine and few medium and coarse tubular pores; 55 percent distinct clay films on surfaces along root channels and 70 percent distinct clay films on faces of peds; 25 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.
- Bt3—26 to 44 inches; light yellowish brown (10YR 6/4) very gravelly clay loam, dark yellowish brown (10YR 4/4) moist; moderate coarse subangular blocky structure parting to moderate medium subangular blocky; hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; common fine tubular pores; 25 percent distinct clay films on surfaces along root channels and 35 percent distinct clay films on faces of peds; 30 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.
- Bt4—46 to 60 inches; light yellowish brown (10YR 6/4) cobbly clay loam, yellowish brown (10YR 5/4) moist; moderate coarse subangular blocky structure parting to moderate fine and medium subangular blocky; moderately hard, firm, moderately sticky, moderately plastic; few very fine roots; few very fine and fine tubular pores; 25 percent distinct clay films on surfaces along root channels and 35 percent distinct clay films on faces of peds; 10 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 6.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 22 percent

Content of rock fragments: 3 to 15 percent gravel

Reaction: pH 6.1 to 6.8

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 1 to 15 percent gravel

Reaction: pH 6.1 to 6.8

Bt1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam, silty clay loam, loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 15 to 34 percent gravel

Reaction: pH 5.6 to 6.8

Bt2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, loam, silt loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.1 to 6.8

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 28 to 34 percent

Content of rock fragments:

- 7 to 10 percent cobbles
- 8 to 30 percent gravel

Reaction: pH 6.1 to 7.0

Bt4 horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 28 to 34 percent

Content of rock fragments:

- 7 to 15 percent cobbles
- 8 to 25 percent gravel

Reaction: pH 6.1 to 7.0

Dry Canyon Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 5 to 45 percent

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Elevation: 6,010 to 7,850 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Typic Argixerolls

Typical Pedon

Dry Canyon loam; located in an area of Pinehollow-Ant Flat-Sheep Creek complex, 2 to 35 percent slopes; in shrub cover; 300 feet north, 2,450 feet east of the southwest corner of section 34, T 13 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 14 minutes, 31.60 seconds north latitude and 111 degrees, 10 minutes, 48.50 seconds west longitude; UTM 485137 meters E, 4676673 meters N, zone 12 NAD83.

A—0 to 3 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate very fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; many fine interstitial pores; 5 percent gravel; noneffervescent; moderately acid (pH 6.0); abrupt smooth boundary.

Bt1—3 to 10 inches; dark brown (7.5YR 3/2) silt loam, very dark brown (7.5YR 2/2) moist; moderate fine subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine and common medium roots; many very fine interstitial and common very fine tubular pores; 10 percent faint clay films on faces of peds; 5 percent gravel; noneffervescent; slightly acid (pH 6.2); clear wavy boundary.

Bt2—10 to 18 inches; brown (7.5YR 4/3) silt loam, dark brown (7.5YR 3/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; many very fine and fine and common medium roots; common very fine interstitial and many very fine tubular pores; 10 percent faint clay films on faces of peds; 5 percent gravel; noneffervescent; slightly acid (pH 6.4); clear wavy boundary.

Bt3—18 to 25 inches; brown (7.5YR 5/3) gravelly silty clay loam, dark brown (7.5YR 3/4) moist; moderate very fine and fine subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine, fine, and medium roots; many very fine and fine tubular and common very fine interstitial pores; 35 percent faint clay films on surfaces along pores and 35 percent faint clay films on faces of peds; 25 percent gravel; noneffervescent; slightly acid (pH 6.4); gradual wavy boundary.

Bt4—25 to 38 inches; brown (7.5YR 5/4) gravelly clay loam, reddish brown (5YR 4/4) moist; moderate very fine and fine subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine, fine, and medium roots; common very fine and fine interstitial and tubular pores; 35 percent faint clay films on surfaces along pores and 35 percent faint clay films on faces of peds; 25 percent gravel; noneffervescent; neutral (pH 6.6); clear wavy boundary.

Bt5—38 to 48 inches; reddish brown (2.5YR 4/4) gravelly loam, dark reddish brown (2.5YR 3/4) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, slightly plastic; few very fine and fine roots; common very fine interstitial and few very fine tubular pores; 70 percent faint clay films on faces of peds; 15 percent gravel; noneffervescent; neutral (pH 6.6); abrupt wavy boundary.

BC—48 to 53 inches; yellowish red (5YR 5/6) loam, yellowish red (5YR 4/6) moist; weak coarse subangular blocky structure; hard, friable, moderately sticky, slightly

plastic; few very fine and fine roots; few very fine interstitial and tubular pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.4); abrupt wavy boundary.
Cr—53 to 60 inches; weakly cemented red sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 22 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 15 percent gravel

Reaction: pH 5.6 to 6.5

Bt1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Clay loam, silty clay loam, silt loam, loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 5.6 to 6.5

Bt2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, loam, silt loam, silty clay loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 5.6 to 6.5

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, clay loam, silt loam

Clay content: 23 to 35 percent

Content of rock fragments:

- 0 to 10 percent stones
- 0 to 10 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.1 to 7.3

Bt4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, clay loam, silty clay loam

Clay content: 23 to 35 percent

Content of rock fragments:

- 0 to 10 percent stones
- 0 to 10 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.1 to 7.3

Bt5 horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Silty clay loam, clay loam, loam, silt loam

Clay content: 23 to 35 percent

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Content of rock fragments:

- 0 to 10 percent stones
- 0 to 10 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.1 to 7.3

BC horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 10 percent stones
- 0 to 10 percent cobbles
- 5 to 25 percent gravel

Reaction: pH 5.8 to 7.3

Cr horizon(s):

Texture: Bedrock

Dunford Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium over residuum weathered from sedimentary rock

Slope range: 20 to 60 percent

Elevation: 5,980 to 6,930 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Pachic Argixerolls

Typical Pedon

Dunford stony loam; located in an area of Cupine-Dunford complex, 20 to 60 percent slopes; in shrub cover; 1,375 feet north, 1,050 feet east of the southwest corner of section 21, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 6 minutes, 3.00 seconds north latitude and 111 degrees, 26 minutes, 26.00 seconds west longitude; UTM 463572 meters E, 4661065 meters N, zone 12 NAD83.

A—0 to 5 inches; brown (10YR 4/3) stony loam, dark brown (10YR 3/3) moist; moderate very fine granular structure; soft, very friable, slightly sticky, slightly plastic; common very fine and fine and few medium and coarse roots; many very fine and fine tubular pores; 5 percent gravel and 10 percent stones; noneffervescent; neutral (pH 6.6); abrupt smooth boundary.

Bt1—5 to 11 inches; dark yellowish brown (10YR 3/4) gravelly clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; many fine and medium and few coarse roots; many very fine and fine tubular pores; 70 percent prominent clay films on faces of peds and 50 percent prominent clay films on surfaces along pores; fine lime concretions on bottom of rock fragments; 10 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.2); clear smooth boundary.

Bt2—11 to 20 inches; dark yellowish brown (10YR 3/4) cobbly clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine, fine, medium, and coarse roots; common very fine and fine tubular pores; 70 percent prominent clay films on faces of peds and 50 percent prominent clay films on surfaces along pores; fine carbonate concretions on bottom of rock fragments; 15 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 7.2); clear smooth boundary.

Bt3—20 to 27 inches; dark yellowish brown (10YR 3/4) cobbly clay loam, very dark grayish brown (10YR 3/2) moist; weak medium subangular blocky structure; moderately hard, very friable, moderately sticky, moderately plastic; common fine roots and few medium and coarse roots; common very fine and fine tubular pores; 40 percent prominent clay films on faces of peds and 35 percent prominent clay films on surfaces along pores; fine carbonate concretions on bottom of rock fragments; 10 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 7.3); abrupt wavy boundary.

R—27 to 60 inches; indurated sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 10 to 15 percent stones
- 0 to 3 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Bt1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Bt2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.3

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.3

R horizon(s):

Texture: Bedrock

Dutchcanyon Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 4 to 35 percent

Elevation: 5,880 to 6,880 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Coarse-loamy, carbonatic, frigid Typic Calcixerolls

Typical Pedon

Dutchcanyon gravelly silt loam; located in an area of Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes; in shrub cover; 1,480 feet west, 2,180 feet south of the northeast corner of section 28, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 0 minutes, 32.70 seconds north latitude and 111 degrees, 25 minutes, 48.80 seconds west longitude; UTM 464374 meters E, 4650873 meters N, zone 12 NAD83.

- A—0 to 7 inches; dark grayish brown (10YR 4/2) gravelly silt loam, very dark brown (10YR 2/2) moist; moderate thick platy structure parting to moderate medium subangular blocky; soft, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; many very fine irregular pores; carbonate, finely disseminated throughout; 15 percent gravel; strongly effervescent (18 percent calcium-carbonate equivalent); slightly alkaline (pH 7.7); disseminated lime; clear smooth boundary.
- AB—7 to 13 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; soft, very friable, moderately sticky, moderately plastic; common very fine and few fine roots; many very fine tubular and irregular pores; carbonate, finely disseminated throughout; 10 percent gravel; violently effervescent (25 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); disseminated lime; clear wavy boundary.
- Bk—13 to 27 inches; light gray (10YR 7/2) loam, light gray (10YR 7/2) moist; massive; slightly hard, very friable, slightly sticky, moderately plastic; common very fine and few fine roots; many very fine tubular pores; carbonate, finely disseminated throughout and 1 percent fine carbonate bands throughout; violently effervescent (40 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); lime segregated into few fine seams; 15 percent very hard gravel size nodules made of material similar to the matrix; gradual wavy boundary.
- C1—27 to 40 inches; white (10YR 8/1) loam, very pale brown (10YR 8/2) moist; massive; slightly hard, very friable, slightly sticky, moderately plastic; few very fine roots; few very fine tubular pores; carbonate, finely disseminated throughout; violently effervescent (>65 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); gradual wavy boundary.
- C2—40 to 53 inches; white (10YR 8/1) loam, pale yellow (2.5Y 8/2) moist; 5 percent medium distinct brownish yellow (10YR 6/6) and 30 percent medium and coarse distinct light brownish gray (10YR 6/2) mottles; massive; slightly hard, very friable,

slightly sticky, moderately plastic; few very fine tubular pores; carbonate, finely disseminated throughout; violently effervescent (>65 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); gradual wavy boundary.
C3—53 to 60 inches; white (10YR 8/1) loam, light gray (2.5Y 7/2) moist; 5 percent medium distinct brownish yellow (10YR 6/6) and 30 percent medium and coarse distinct light brownish gray (10YR 6/2) mottles; massive; hard, firm, slightly sticky, moderately plastic; carbonate, finely disseminated throughout; violently effervescent (>65 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); 15 percent very hard gravel size nodules made of material similar to the matrix.

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Content of rock fragments: 15 to 25 percent gravel
Calcium-carbonate equivalent: 10 to 20 percent
Reaction: pH 7.7 to 8.4

AB horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 14 to 20 percent
Content of rock fragments: 10 to 25 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Reaction: pH 7.8 to 8.4

Bk horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 12 to 18 percent
Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 30 to 45 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.4

C horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 12 to 18 percent
Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 45 to 80 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 8.0 to 8.4

Every Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

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Parent material: Mixed slope alluvium and/or colluvium over residuum weathered from calcareous siltstone

Slope range: 5 to 50 percent

Elevation: 6,040 to 7,450 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Typic Haploxeralfs

Typical Pedon

Every loam; located in an area of Every-Preuss complex, 5 to 25 percent slopes; in shrub cover; 2,800 feet west, 1,800 feet south of the northeast corner of section 18, T 14 S., R 46 E.; Border, Idaho USGS quadrangle; 42 degrees, 12 minutes, 27.20 seconds north latitude and 111 degrees, 7 minutes, 18.20 seconds west longitude; UTM 489952 meters E, 4672829 meters N, zone 12 NAD83.

A—0 to 4 inches; grayish brown (10YR 5/2) loam, dark grayish brown (10YR 4/2) moist; moderate fine granular structure; soft, friable, moderately sticky, moderately plastic; many very fine, fine, and medium roots; many fine irregular pores; 5 percent gravel; strongly effervescent (21 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); clear wavy boundary.

Bt1—4 to 10 inches; pale brown (10YR 6/3) clay loam, brown (10YR 5/3) moist; strong medium subangular blocky structure; slightly hard, firm, very sticky, very plastic; many very fine and fine and common medium roots; common very fine tubular pores; 20 percent discontinuous distinct clay films on surfaces along pores and 20 percent discontinuous distinct clay films on all faces of peds; 5 percent gravel; strongly effervescent (23 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); clear wavy boundary.

Bt2—10 to 15 inches; light yellowish brown (2.5Y 6/4) gravelly clay loam, brown (10YR 4/3) moist; moderate medium subangular blocky structure; slightly hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine irregular and tubular pores; 40 percent patchy faint clay films on all faces of peds; 20 percent gravel; strongly effervescent (30 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); clear wavy boundary.

C1—15 to 28 inches; light gray (2.5Y 7/2) very gravelly silt loam, light yellowish brown (2.5Y 6/4) moist; weak fine subangular blocky structure; slightly hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common fine irregular pores; 40 percent gravel; violently effervescent (40 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); gradual smooth boundary.

C2—28 to 43 inches; pale yellow (2.5Y 8/2) very gravelly silt loam, light yellowish brown (2.5Y 6/4) moist; weak fine subangular blocky structure; soft, friable, moderately sticky, moderately plastic; few very fine roots; common very fine tubular pores; 50 percent gravel; violently effervescent (40 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

Cr—43 to 60 inches; moderately cemented calcareous siltstone bedrock, fractured at intervals of <4 inches.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

A horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam

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Clay content: 18 to 25 percent
Content of rock fragments: 5 to 20 percent gravel
Calcium-carbonate equivalent: 10 to 25 percent
Reaction: pH 7.6 to 7.8

Bt horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silty clay loam, clay loam
Clay content: 27 to 34 percent
Content of rock fragments: 5 to 30 percent gravel
Calcium-carbonate equivalent: 15 to 40 percent
Reaction: pH 7.8 to 8.4

C horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 21 to 26 percent
Content of rock fragments: 35 to 50 percent gravel
Calcium-carbonate equivalent: 25 to 45 percent
Reaction: pH 7.9 to 8.4

Cr horizon(s):

Texture: Bedrock

Falula Series

Depth class: Shallow
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes, ridges
Parent material: Loess influenced slope alluvium and/or colluvium over residuum weathered from calcareous sandstone and/or conglomerate
Slope range: 5 to 50 percent
Elevation: 5,900 to 7,170 feet
Mean annual precipitation: 13 to 24 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Lithic Haploxerolls

Typical Pedon

Falula extremely cobbly silt loam; located in an area of Ireland-Falula-Vicking complex, 15 to 40 percent slopes; in shrub cover; 772 feet west, 2,626 feet north of the southeast corner of section 9, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 23 minutes, 37.70 seconds north latitude and 111 degrees, 25 minutes, 41.70 seconds west longitude; UTM 464752 meters E, 4693591 meters N, zone 12 NAD83.

A1—0 to 4 inches; grayish brown (10YR 5/2) extremely cobbly silt loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; common very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; faint carbonate coats on bottom surfaces of rock fragments; 40 percent gravel and 35 percent cobbles; noneffervescent; neutral (pH 7.0); clear wavy boundary.

A2—4 to 12 inches; grayish brown (10YR 5/2) extremely cobbly silt loam, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure parting to weak very fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; faint carbonate coats on bottom surfaces of rock fragments; 50 percent gravel and 35 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Bk—12 to 18 inches; pale brown (10YR 6/3) extremely cobbly silt loam, dark grayish brown (10YR 4/2) moist; weak fine subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine, fine, medium, and coarse roots; many very fine and fine tubular pores; faint carbonate coats on bottom surfaces of rock fragments and distinct carbonate coats on bottom surfaces of rock fragments; carbonate, finely disseminated throughout and 10 percent fine irregular lime masses throughout; 50 percent gravel and 35 percent cobbles; violently effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.

R—18 to 60 inches; very strongly cemented calcareous conglomerate bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 1 percent stones
- 15 to 40 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 6.8 to 7.8

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 1 percent stones
- 15 to 40 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 7.0 to 7.8

Bk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 15 to 22 percent

Content of rock fragments:

- 0 to 1 percent stones
- 10 to 40 percent cobbles
- 40 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent

Reaction: pH 7.8 to 8.4

R horizon(s):

Texture: Bedrock

Firading Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 5 to 40 percent

Elevation: 6,180 to 7,650 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Calcic Pachic Haplocryolls

Typical Pedon

Firading gravelly loam; located in an area of Parding-Firading-Hagenbarth complex, 5 to 40 percent slopes; in shrub cover; 2,350 feet south, 2,346 feet east of the northwest corner of section 9, T 13 S., R 45 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 18 minutes, 27.30 seconds north latitude and 111 degrees, 12 minutes, 3.10 seconds west longitude; UTM 483446 meters E, 4683946 meters N, zone 12 NAD83.

A—0 to 4 inches; brown (10YR 4/3) gravelly loam, dark brown (10YR 3/3) moist; moderate medium granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine interstitial pores; 15 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.3); clear smooth boundary.

Bw—4 to 11 inches; brown (10YR 4/3) very gravelly loam, dark brown (10YR 3/3) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine, fine, and medium roots; common very fine tubular and interstitial pores; 25 percent gravel, 10 percent cobbles, and 2 percent stones; noneffervescent; slightly alkaline (pH 7.5); clear smooth boundary.

Bk1—11 to 18 inches; yellowish brown (10YR 5/4) very gravelly sandy loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine, fine, and medium roots; common very fine interstitial and tubular pores; 1 percent fine, very weakly cemented carbonate masses; 35 percent gravel and 10 percent cobbles; slightly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.

Bk2—18 to 28 inches; yellowish brown (10YR 5/4) extremely gravelly loam, brown (10YR 4/3) moist; moderate fine subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine interstitial pores; carbonate, finely disseminated throughout; 45 percent gravel and 15 percent cobbles; silica pendants on undersides of 15 percent of the rock fragments; violently effervescent (31 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.

Bk3—28 to 39 inches; light yellowish brown (10YR 6/4) extremely gravelly loam, yellowish brown (10YR 5/4) moist; weak fine subangular blocky structure; hard, firm, nonsticky, nonplastic; few very fine and fine roots; common very fine interstitial pores; carbonate, finely disseminated throughout; 45 percent gravel and 15 percent cobbles; silica pendants on undersides of 15 percent of the rock fragments; violently effervescent (31 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); abrupt wavy boundary.

R—39 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 5 percent cobbles
- 15 to 30 percent gravel

Reaction: pH 6.6 to 7.8

Bw horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 18 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 15 percent cobbles
- 15 to 30 percent gravel

Reaction: pH 7.4 to 8.4

Bk1 horizon(s):

Organic matter content: 0.75 to 2 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent

Reaction: pH 7.6 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 20 to 40 percent

Reaction: pH 8.0 to 8.4

R horizon(s):

Texture: Bedrock

Fishaven Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone

Slope range: 8 to 20 percent

Elevation: 5,890 to 6,600 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, carbonatic, frigid Typic Calcixerolls

Typical Pedon

Fishaven gravelly loam; located in an area of Fishaven-Dutchcanyon complex, 8 to 20 percent slopes; in shrub cover; 1,320 feet east, 970 feet north of the southwest corner of section 27, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 0 minutes, 12.00 seconds north latitude and 111 degrees, 25 minutes, 11.90 seconds west longitude; UTM 465221 meters E, 4650233 meters N, zone 12 NAD83.

A1—0 to 3 inches; dark grayish brown (10YR 4/2) gravelly loam, very dark brown (10YR 2/2) moist; moderate very fine granular structure; soft, very friable, nonsticky, slightly plastic; many very fine roots; many very fine irregular pores; carbonate, finely disseminated throughout; 20 percent gravel; strongly effervescent (18 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt smooth boundary.

A2—3 to 10 inches; dark grayish brown (10YR 4/2) silt loam, very dark gray (10YR 3/1) moist; strong very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and few fine roots; many very fine irregular and few fine tubular pores; carbonate, finely disseminated throughout; 10 percent gravel; strongly effervescent (25 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); clear wavy boundary.

BA—10 to 16 inches; grayish brown (10YR 5/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure parting to moderate very fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and medium roots; common fine and many very fine tubular pores; carbonate, finely disseminated throughout; 20 percent gravel; violently effervescent (40 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.

Bk—16 to 22 inches; light gray (10YR 7/2) gravelly loam, grayish brown (10YR 5/2) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; carbonate, finely disseminated throughout and carbonate concretions around rock fragments; 20 percent gravel; violently effervescent (55 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); rock fragments are coated on all sides with lime; clear wavy boundary.

C—22 to 27 inches; very pale brown (10YR 8/2) very gravelly loam, pale brown (10YR 6/3) moist; massive; hard, friable, nonsticky, slightly plastic; common very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout;

40 percent gravel; violently effervescent; moderately alkaline (pH 8.4); (>65 percent calcium-carbonate equivalent); abrupt wavy boundary.
R—27 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments: 5 to 30 percent gravel
Calcium-carbonate equivalent: 10 to 20 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.7 to 8.4

A2 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 12 to 17 percent
Content of rock fragments: 5 to 30 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

BA horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 12 to 17 percent
Content of rock fragments: 5 to 30 percent gravel
Calcium-carbonate equivalent: 40 to 60 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bk horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 12 to 17 percent
Content of rock fragments: 15 to 30 percent gravel
Calcium-carbonate equivalent: 40 to 60 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

C horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 12 to 17 percent
Content of rock fragments: 15 to 40 percent gravel
Calcium-carbonate equivalent: 55 to 70 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

R horizon(s):

Texture: Bedrock

Frenchollow Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Very low

Landform: Fan remnants, hillslopes

Parent material: Silty and clayey alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 20 percent

Elevation: 5,920 to 6,560 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Typic Haploxererts

Typical Pedon

Frenchollow silty clay loam; located in an area of Frenchollow silty clay loam, 4 to 20 percent slopes; in shrub cover; 365 feet east, 305 feet north of the southwest corner of section 15, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 1 minutes, 49.60 seconds north latitude and 111 degrees, 25 minutes, 24.40 seconds west longitude; UTM 464949 meters E, 4653242 meters N, zone 12 NAD83.

A1—0 to 5 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark brown (10YR 2/2) moist; strong very fine and fine granular structure; soft, very friable, moderately sticky, moderately plastic; many very fine roots; many very fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 7.1); vertical cracks present: 0.5 to 1.5 inches wide and about 1 to 2 feet apart; clear smooth boundary.

A2—5 to 12 inches; brown (10YR 4/3) silty clay loam, very dark brown (10YR 2/2) moist; moderate coarse prismatic structure parting to strong fine and medium subangular blocky; hard, friable, moderately sticky, moderately plastic; common very fine and few fine roots; many very fine and medium, few fine tubular, and many very fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 7.2); vertical cracks present: 0.5 to 1.5 inch wide and about 1 to 2 feet apart; clear wavy boundary.

BA—12 to 20 inches; brown (10YR 5/3) silty clay, very dark grayish brown (10YR 3/2) moist; moderate coarse prismatic structure parting to strong fine and medium subangular blocky hard, friable, very sticky, very plastic; common very fine and medium roots; common very fine and fine tubular and many very fine irregular pores; 2 percent gravel; noneffervescent; neutral (pH 7.2); vertical cracks present: 0.25 to 0.5 inches wide and about 1 to 2 feet apart; clear wavy boundary.

Btss1—20 to 29 inches; light yellowish brown (10YR 6/4) silty clay, brown (10YR 4/3) moist; strong medium and coarse prismatic structure parting to moderate medium subangular blocky; very hard, friable, very sticky, very plastic; common very fine and medium roots; many very fine tubular and common very fine irregular pores; 70 percent distinct clay films on faces of peds and 55 percent slickensides (pedogenic); noneffervescent; slightly alkaline (pH 7.4); vertical cracks present: 0.25 to 0.5 inch wide and about 1 to 2 feet apart; gradual wavy boundary.

Btss2—29 to 52 inches; brown (7.5YR 5/4) silty clay, brown (7.5YR 4/4) moist; moderate medium and coarse prismatic structure parting to moderate medium subangular blocky; very hard, friable, very sticky, very plastic; common very fine

roots; many very fine tubular pores; 35 percent distinct clay films on faces of peds and 35 percent slickensides (pedogenic); 2 percent gravel; noneffervescent; slightly alkaline (pH 7.5); clear wavy boundary.

Btkss— 52 to 62 inches; brown (7.5YR 5/4) silty clay, brown (7.5YR 4/4) moist; moderate coarse prismatic structure parting to moderate medium subangular blocky; hard, very friable, very sticky, very plastic; common very fine roots; many very fine tubular pores; 5 percent slickensides (pedogenic) and 70 percent distinct clay films on faces of peds; 25 percent fine and medium threadlike and irregular very weakly cemented carbonate masses and irregular very weakly cemented carbonate bands; 2 percent gravel; slightly effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 30 to 35 percent

Content of rock fragments: 0 to 9 percent gravel

Reaction: pH 6.6 to 7.3

BA horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam, silty clay

Clay content: 35 to 50 percent

Content of rock fragments: 0 to 6 percent gravel

Reaction: pH 6.6 to 7.3

Btss1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay, clay, silty clay loam

Clay content: 35 to 50 percent

Content of rock fragments: 0 to 6 percent gravel

Reaction: pH 7.2 to 7.8

Btss2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay, silty clay

Clay content: 40 to 50 percent

Content of rock fragments: 0 to 6 percent gravel

Reaction: pH 7.2 to 7.8

Btkss horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay, silty clay

Clay content: 40 to 50 percent

Content of rock fragments: 0 to 6 percent gravel

Calcium-carbonate equivalent: 10 to 35 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Fury Series

Depth class: Very deep

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

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Landform: Flood plains

Parent material: Loess influenced alluvium

Slope range: 0 to 4 percent

Elevation: 5,880 to 6,600 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Cumulic Endoaquolls

Typical Pedon

Fury silt loam; located in an area of Fury silt loam, 0 to 4 percent slopes; in rangeland; 1,800 feet west, 250 feet south of the northeast corner of section 5, T 13 S., R 43 E.; Ovid, Idaho USGS quadrangle; 42 degrees, 19 minutes, 40.30 seconds north latitude and 111 degrees, 27 minutes, 4.30 seconds west longitude; UTM 462285 meters E, 4686278 meters N, zone 12 NAD83.

Oi—0 to 1 inches; slightly decomposed plant material.

A—1 to 12 inches; very dark grayish brown (10YR 3/2) silt loam, black (10YR 2/1) moist; strong very fine and fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and common fine roots; many very fine irregular pores; noneffervescent; neutral (pH 6.8); clear smooth boundary.

Ag1—12 to 21 inches; dark gray (10YR 4/1) silty clay loam, black (10YR 2/1) moist; moderate fine granular structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine irregular and few fine tubular pores; 1 percent fine distinct irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron and 25 percent fine distinct irregular (7.5YR 2/0) moist, manganese masses throughout; noneffervescent; neutral (pH 6.8); gradual smooth boundary.

Ag2—21 to 31 inches; dark gray (10YR 4/1) silty clay loam, black (10YR 2/1) moist; weak medium subangular blocky structure parting to moderate fine granular; moderately hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; common fine and few medium tubular pores; 1 percent fine distinct irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron and 25 percent fine distinct irregular (7.5YR 2/0) moist, manganese masses throughout; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Ag3—31 to 41 inches; dark grayish brown (10YR 4/2) silty clay loam, black (10YR 2/1) moist; weak medium prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, friable, moderately sticky, moderately plastic; few very fine roots; common fine and medium tubular pores; 10 percent fine distinct irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron and 25 percent fine distinct irregular (7.5YR 2/0) moist, manganese masses throughout; noneffervescent; neutral (pH 7.1); clear wavy boundary.

Ag4—41 to 51 inches; gray (10YR 5/1) silt loam, dark gray (10YR 4/1) moist; weak coarse prismatic structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; few fine, medium, and coarse tubular pores; 10 percent fine prominent irregular (7.5YR 2/0) moist, manganese masses and 10 percent fine and medium distinct irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron throughout; noneffervescent; neutral (pH 7.1); clear wavy boundary.

Ag5—51 to 60 inches; gray (10YR 5/1) silt loam, dark gray (10YR 4/1) moist; weak coarse prismatic structure; slightly hard, very friable, nonsticky, slightly plastic; few very fine and fine tubular pores; 10 percent fine prominent irregular (7.5YR 2/0) moist, manganese masses and 10 percent fine and medium distinct

irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron throughout; noneffervescent; neutral (pH 7.1).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 10 to 30 inches

Flooding:

- Month(s): March, April, May
- Frequency: Occasional
- Duration: Brief

Oi horizon(s):

Texture: Slightly decomposed plant material

A horizon(s):

Organic matter content: 4 to 6 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Reaction: pH 6.6 to 7.4

Ag1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 20 to 35 percent

Reaction: pH 6.4 to 7.3

Ag2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 20 to 35 percent

Content of rock fragments: 0 to 5 percent gravel

Reaction: pH 6.4 to 7.3

Ag3 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 20 to 35 percent

Content of rock fragments: 0 to 5 percent gravel

Reaction: pH 6.5 to 7.3

Ag4 horizon(s):

Organic matter content: 0.20 to 2 percent

Texture (less than 2 mm): Silt loam, silty clay loam

Clay content: 20 to 35 percent

Content of rock fragments: 0 to 5 percent gravel

Reaction: pH 6.5 to 7.3

Ag5 horizon(s):

Organic matter content: 0.20 to 2 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 20 to 35 percent

Content of rock fragments: 0 to 5 percent gravel

Reaction: pH 6.5 to 7.3

Georgecanyon Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants

Parent material: Loess influenced gravelly alluvium over extremely cobbly alluvium

Slope range: 1 to 4 percent

Elevation: 5,900 to 6,490 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Georgecanyon gravelly silt loam; located in an area of Georgecanyon gravelly silt loam, 1 to 4 percent slopes; in cropland; 2,000 feet west, 1,200 feet south of the northeast corner of section 20, T 11 S., R 44 E.; Georgetown, Idaho USGS quadrangle; 42 degrees, 27 minutes, 20.70 seconds north latitude and 111 degrees, 20 minutes, 6.70 seconds west longitude; UTM 472438 meters E, 4700433 meters N, zone 12 NAD83.

- A1—0 to 3 inches; dark grayish brown (10YR 4/2) gravelly silt loam, very dark grayish brown (10YR 3/2) moist; weak medium and coarse subangular blocky structure parting to moderate very fine and fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine and common fine irregular pores; carbonate, finely disseminated throughout and 1 percent fine irregular carbonate masses; 15 percent gravel; slightly effervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.
- A2—3 to 9 inches; dark grayish brown (10YR 4/2) gravelly silt loam, very dark grayish brown (10YR 3/2) moist; weak medium and coarse subangular blocky structure parting to moderate very fine and fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and few fine tubular pores; carbonate, finely disseminated throughout and 1 percent fine irregular carbonate masses; 25 percent gravel; slightly effervescent; slightly alkaline (pH 7.8); clear smooth boundary.
- Btk1—9 to 16 inches; dark grayish brown (10YR 4/2) gravelly silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine roots; common very fine tubular pores; 15 percent clay bridges and 15 percent faint carbonate coats on all faces of peds and on surfaces along pores; 30 percent gravel; slightly effervescent; slightly alkaline (pH 7.8); abrupt irregular boundary.
- Btk2—16 to 26 inches; brown (10YR 5/3) very gravelly silty clay loam, brown (10YR 4/3) moist; moderate medium subangular blocky structure parting to moderate very fine and fine subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; common very fine roots; common very fine and few fine tubular pores; 20 percent faint clay films on surfaces along pores and on all faces of peds and 15 percent faint carbonate coats on all faces of peds and on surfaces along pores; 35 percent gravel and 5 percent cobbles; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.
- 2Bkq1—26 to 39 inches; light yellowish brown (10YR 6/4) extremely cobbly sandy clay loam, dark yellowish brown (10YR 4/4) moist; massive; slightly hard, very friable,

slightly sticky, nonplastic; common very fine roots; many very fine, common fine, and few medium irregular pores; carbonate, finely disseminated throughout and silica and carbonate concretions on bottom of rock fragments; 40 percent gravel and 30 percent cobbles; violently effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.

2Bkq2—39 to 60 inches; very pale brown (10YR 7/3) extremely cobbly sandy clay loam, light yellowish brown (10YR 6/4) moist; massive; slightly hard, very friable, slightly sticky, nonplastic; few very fine roots; many very fine, common fine, and few medium irregular pores; carbonate, finely disseminated throughout and silica concretions on bottom of rock fragments and carbonate concretions on bottom of rock fragments; 40 percent gravel, 30 percent cobbles, and 10 percent stones; violently effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 20 to 26 percent

Content of rock fragments: 15 to 30 percent gravel

Calcium-carbonate equivalent: 0 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.4 to 8.2

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 20 to 26 percent

Content of rock fragments: 15 to 30 percent gravel

Calcium-carbonate equivalent: 0 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.4 to 8.2

Btk1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 27 to 35 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 25 to 40 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.0

Btk2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 27 to 35 percent

Content of rock fragments:

- 5 to 10 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Gypsum: 0 to 5 percent

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Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.0

2Bkq1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Sandy clay loam

Clay content: 21 to 32 percent

Content of rock fragments:

- 0 to 10 percent stones
- 20 to 30 percent cobbles
- 35 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Gypsum: 0 to 5 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

2Bkq2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Sandy clay loam

Clay content: 21 to 32 percent

Content of rock fragments:

- 5 to 15 percent stones
- 20 to 30 percent cobbles
- 35 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Gypsum: 0 to 5 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Grecan Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Fan remnants, hillslopes

Parent material: Alluvium and/or colluvium derived from conglomerate, dolomite, or sandstone

Slope range: 4 to 20 percent

Elevation: 5,920 to 7,100 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Calcic Pachic Argixerolls

Typical Pedon

Grecan loam; located in an area of Clegg-Grecan complex, 4 to 20 percent slopes; in shrub cover; 2,200 feet south, 25 feet west of the northeast corner of section 21, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 6 minutes, 18.70 seconds north latitude and 111 degrees, 25 minutes, 29.90 seconds west longitude; UTM 464862 meters E, 4661544 meters N, zone 12 NAD83.

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- A1—0 to 3 inches; dark grayish brown (10YR 4/2) loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; common very fine and fine irregular pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.2); abrupt smooth boundary.
- A2—3 to 9 inches; dark grayish brown (10YR 4/2) loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure parting to moderate fine granular; soft, very friable, nonsticky, nonplastic; common very fine and fine and few medium roots; common very fine and fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 6.6); clear smooth boundary.
- BAt—9 to 22 inches; dark grayish brown (10YR 4/2) clay loam, very dark grayish brown (10YR 3/2) moist; strong medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common fine and few medium roots; common very fine and fine tubular pores; 35 percent distinct clay films on faces of peds; 10 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.
- Bt—22 to 28 inches; pale brown (10YR 6/3) clay, brown (10YR 5/3) moist; strong medium subangular blocky structure; very hard, very firm, moderately sticky, moderately plastic; few very fine and fine roots; common very fine and fine tubular pores; 70 percent distinct clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 7.2); clear smooth boundary.
- Btk—28 to 32 inches; pale brown (10YR 6/3) clay, yellowish brown (10YR 5/4) moist; massive; very hard, very firm, moderately sticky, moderately plastic; few very fine roots; common very fine and fine irregular pores; 10 percent distinct clay films on faces of peds and in pores; carbonate, finely disseminated and 1 percent fine, weakly, cemented lime masses throughout; 10 percent gravel; slightly effervescent (1 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.
- Bk1—32 to 41 inches; yellowish brown (10YR 5/4) clay loam, dark yellowish brown (10YR 4/4) moist; massive; hard, firm, slightly sticky, slightly plastic; few very fine and fine irregular pores; 10 percent faint carbonate coats and coarse, weakly cemented, lime masses on bottom of rock fragments; 10 percent gravel; violently effervescent; moderately alkaline (pH 8.2); clear wavy boundary.
- Bk2—41 to 60 inches; very pale brown (10YR 7/3) loam, light yellowish brown (10YR 6/4) moist; massive; soft, friable, nonsticky, nonplastic; common very fine and fine irregular pores; 10 percent faint carbonate coats and coarse, weakly cemented, lime masses on bottom of rock fragments; 10 percent gravel; violently effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 20 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.1 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 20 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.1 to 7.3

BAt horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Clay loam
Clay content: 30 to 40 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.8

Bt horizon(s):

Organic matter content: 0.50 to 0.75 percent
Texture (less than 2 mm): Clay loam, clay
Clay content: 35 to 45 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.8

Btk horizon(s):

Organic matter content: 0.25 to 0.75 percent
Texture (less than 2 mm): Clay loam, clay
Clay content: 35 to 45 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 2 to 10 percent
Reaction: pH 7.4 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Clay loam, loam
Clay content: 18 to 35 percent
Content of rock fragments: 5 to 20 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Clay loam, loam
Clay content: 18 to 35 percent
Content of rock fragments: 5 to 20 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Reaction: pH 7.9 to 8.4

Grunder Series

Depth class: Moderately deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Mixed colluvium
Slope range: 15 to 50 percent
Elevation: 6,030 to 7,560 feet
Mean annual precipitation: 16 to 24 inches
Mean annual air temperature: 36 to 39 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Xeric Argicryolls

Typical Pedon

Grunder silt loam; located in an area of Dollarhide-Grunder complex, 15 to 50 percent slopes; in forestland; 350 feet north, 2,300 feet east of the southwest corner

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of section 30, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 10 minutes, 12.80 seconds north latitude and 111 degrees, 28 minutes, 41.10 seconds west longitude; UTM 460512 meters E, 4668786 meters N, zone 12 NAD83.

Oi—0 to 3 inches; slightly decomposed plant material.

A—3 to 12 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; strong medium granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine tubular pores; 1 percent gravel; noneffervescent; moderately acid (pH 6.0); clear wavy boundary.

Bt—12 to 22 inches; dark grayish brown (10YR 4/2) silty clay loam, brown (10YR 4/3) moist; strong medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; many very fine and fine and few medium roots; common very fine irregular and few very fine tubular pores; 70 percent distinct clay films on faces of peds and on surfaces along root channels; 1 percent gravel; noneffervescent; moderately acid (pH 6.0); clear wavy boundary.

B/C—22 to 26 inches; 60 percent brown (10YR 5/3) gravelly silty clay loam, brown (10YR 4/3) moist, and 40 percent brownish yellow (10YR 6/6) gravelly fine sandy loam, light yellowish brown (10YR 6/4) moist; moderate medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; few very fine and fine roots; common very fine irregular and tubular pores; 20 percent gravel; noneffervescent; slightly acid (pH 6.4).

R—26 to 60 inches; indurated sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Oi horizon(s):

Texture: Slightly decomposed plant material

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 22 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 5.6 to 6.5

Bt horizon(s):

Organic matter content: 0.50 to 3 percent

Texture (less than 2 mm): Clay loam, silt loam, silty clay loam

Clay content: 26 to 34 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 1 to 20 percent gravel

Reaction: pH 5.6 to 6.5

B/C horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silty clay loam, clay loam

Clay content: 15 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 1 to 25 percent gravel

Reaction: pH 6.1 to 7.3

R horizon(s):

Texture: Bedrock

Hades Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Loess influenced alluvium, slope alluvium, and/or colluvium derived from limestone, sandstone, or quartzite

Slope range: 0 to 30 percent

Elevation: 5,840 to 7,580 feet

Mean annual precipitation: 13 to 24 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Pachic Argixerolls

Typical Pedon

Hades silt loam; located in an area of Hades silt loam, 12 to 20 percent slopes; in cropland; 400 feet south, 725 feet east of the northwest corner of section 21, T 12 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 22 minutes, 15.80 seconds north latitude and 111 degrees, 26 minutes, 32.10 seconds west longitude; UTM 463587 meters E, 4691070 meters N, zone 12 NAD83.

A—0 to 6 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; many very fine irregular and few very fine tubular pores; 5 percent gravel; noneffervescent; neutral (pH 6.9); clear smooth boundary.

BA—6 to 12 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; hard, friable, slightly sticky, slightly plastic; common very fine and fine and few medium roots; common very fine and fine tubular pores; 5 percent gravel; noneffervescent; neutral (pH 6.9); gradual wavy boundary.

Bt1—12 to 20 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine tubular pores; 35 percent distinct clay films on faces of peds and in pores; 5 percent gravel; noneffervescent; neutral (pH 7.1); gradual wavy boundary.

Bt2—20 to 61 inches; yellowish brown (10YR 5/4) clay loam, dark yellowish brown (10YR 3/4) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine and few fine and medium roots; common very fine and fine tubular pores; 35 percent distinct clay films on faces of peds and in pores; 5 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 25 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.1 to 7.3

BA horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 18 to 25 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.1 to 7.3

Bt1 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 21 to 25 percent
Content of rock fragments:

- 0 to 3 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.1 to 7.3

Bt2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Loam, silty clay loam, clay loam
Clay content: 22 to 33 percent
Content of rock fragments:

- 0 to 8 percent cobbles
- 0 to 22 percent gravel

Calcium-carbonate equivalent: 0 to 1 percent
Reaction: pH 6.1 to 7.4

Hagenbarth Series

Depth class: Very deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Loess influenced slope alluvium and/or colluvium
Slope range: 5 to 50 percent
Elevation: 5,860 to 7,650 feet
Mean annual precipitation: 14 to 24 inches
Mean annual air temperature: 36 to 41 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Argicryolls

Typical Pedon

Hagenbarth silt loam; located in an area of Bischoff-Hagenbarth complex, 15 to 50 percent slopes; in shrub cover; 560 feet east, 1,725 feet north of the southwest corner of section 6, T 13 S., R 46 W.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 19 minutes, 10.80 seconds north latitude and 111 degrees, 7 minutes, 46.30 seconds west longitude; UTM 489326 meters E, 4685278 meters N, zone 12 NAD83.

A1—0 to 3 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine and medium roots; common very fine irregular and tubular pores; 3 percent gravel; noneffervescent; neutral (pH 7.3); abrupt smooth boundary.

- A2—3 to 13 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, medium, and coarse roots; common very fine and few fine tubular pores; noneffervescent; slightly alkaline (pH 7.4); clear smooth boundary.
- Bt1—13 to 20 inches; brown (7.5YR 4/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine prismatic structure parting to moderate medium and coarse subangular blocky; slightly hard, friable, slightly sticky, slightly plastic; few very fine, fine, and medium roots; common very fine and few fine and medium tubular and pores; 15 percent patchy faint clay films on surfaces along pores and on all faces of peds; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.
- Bt2—20 to 44 inches; brown (7.5YR 4/3) silt loam, dark brown (7.5YR 3/3) moist; moderate medium prismatic structure; moderately hard, friable, slightly sticky, slightly plastic; few very fine and fine roots; common very fine and few fine tubular pores; 20 percent discontinuous faint clay films on surfaces along pores and on all faces of peds; noneffervescent; slightly alkaline (pH 7.6); gradual smooth boundary.
- Bt3—44 to 60 inches; brown (7.5YR 5/3) silty clay loam, brown (7.5YR 4/3) moist; moderate medium and coarse subangular blocky structure; moderately hard, friable, slightly sticky, slightly plastic; few very fine roots; common very fine tubular pores; 20 percent discontinuous distinct clay films on surfaces along pores and on all faces of peds; 5 percent gravel; noneffervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 14 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Sodium-adsorption ratio: 0 to 3

Reaction: pH 6.1 to 7.6

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 14 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Sodium-adsorption ratio: 0 to 3

Reaction: pH 6.3 to 7.6

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Clay loam, loam, silt loam

Clay content: 18 to 27 percent

Content of rock fragments: 0 to 10 percent gravel

Sodium-adsorption ratio: 0 to 3

Reaction: pH 6.3 to 7.8

Bt2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, clay loam, silt loam

Clay content: 18 to 27 percent

Content of rock fragments: 0 to 10 percent gravel

Sodium-adsorption ratio: 0 to 3

Reaction: pH 6.6 to 7.8

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 27 to 35 percent

Content of rock fragments: 0 to 20 percent gravel

Sodium-adsorption ratio: 0 to 3

Reaction: pH 6.8 to 7.8

Halfcircle Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Mountain slopes

Parent material: Loess influenced colluvium over residuum weathered from siltstone

Slope range: 20 to 60 percent

Elevation: 6,330 to 7,840 feet

Mean annual precipitation: 16 to 22 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-silty, mixed, superactive Calcic Pachic Argicryolls

Typical Pedon

Halfcircle silt loam; located in an area of Preussrange-Halfcircle complex, 12 to 60 percent slopes; in forestland; 2,915 feet west, 325 feet south of the northeast corner of section 31, T 12 S., R 46 W.; Geneva, Idaho USGS quadrangle; 42 degrees, 20 minutes, 35.50 seconds north latitude and 111 degrees, 7 minutes, 28.20 seconds west longitude; UTM 489746 meters E, 4687889 meters N, zone 12 NAD83.

Oa—0 to 1 inches; highly decomposed plant material.

A1—1 to 3 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine roots; common very fine irregular and tubular pores; 5 percent channers; noneffervescent; slightly alkaline (pH 7.7); clear smooth boundary.

A2—3 to 7 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, and medium and few coarse roots; common very fine and few fine tubular pores; 5 percent channers; noneffervescent; slightly alkaline (pH 7.8); clear smooth boundary.

Btk—7 to 16 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (2.5Y 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, and medium and few coarse roots; common very fine and few fine tubular pores; carbonate, finely disseminated throughout and 1 percent fine spherical carbonate concretions throughout; 5 percent channers; strongly effervescent (12 percent calcium-carbonate equivalent); moderately alkaline (pH 7.9); clear smooth boundary.

Bk—16 to 22 inches; grayish brown (2.5Y 5/2) silt loam, dark grayish brown (2.5Y 4/2) moist; weak medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, and medium and few coarse roots; common very fine tubular pores; carbonate, finely disseminated throughout and 1 percent fine spherical carbonate concretions throughout; 5 percent channers; strongly effervescent (17 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); disseminated lime; gradual wavy boundary.

C—22 to 42 inches; light gray (2.5Y 7/2) silt loam, light olive brown (2.5Y 5/3) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; few very fine tubular pores; carbonate, finely disseminated throughout; 5 percent channers; violently effervescent (31 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); gradual wavy boundary.

Cr—42 to 60 inches; moderately cemented calcareous siltstone bedrock.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Oa horizon(s):

Texture: highly decomposed plant material

A horizon(s):

Organic matter content: 2 to 6 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 22 percent

Content of rock fragments: 0 to 10 percent channers

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.4 to 7.8

Btk horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 24 to 32 percent

Content of rock fragments: 0 to 10 percent channers

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 3

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

Bk horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 10 percent channers

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

C horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 10 percent channers

Calcium-carbonate equivalent: 15 to 40 percent

Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Cr horizon(s):

Texture: Bedrock

Hoopgobel Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash

Slope range: 10 to 40 percent

Elevation: 6,000 to 7,130 feet

Mean annual precipitation: 16 to 23 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Argicryolls

Typical Pedon

Hoopgobel loam; located in an area of Hoopgobel-Cadero complex, 10 to 35 percent slopes; in shrub cover; 2,850 feet east, 2,660 feet south of the northwest corner of section 1, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 30.70 seconds north latitude and 111 degrees, 22 minutes, 35.10 seconds west longitude; UTM 469026 meters E, 4695204 meters N, zone 12 NAD83.

A—0 to 4 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; 5 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

AB—4 to 9 inches; very dark grayish brown (10YR 3/2) gravelly loam, very dark brown (10YR 2/2) moist; moderate fine subangular blocky structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; 15 percent gravel; noneffervescent; neutral (pH 7.0); clear wavy boundary.

Bt1—9 to 18 inches; very dark grayish brown (10YR 3/2) gravelly clay loam, very dark brown (10YR 2/2) moist; strong medium angular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; 35 percent continuous faint clay films on faces of peds and in pores; 15 percent gravel; noneffervescent; neutral (pH 7.2); clear smooth boundary.

Bt2—18 to 24 inches; dark grayish brown (10YR 4/2) gravelly clay loam, dark brown (10YR 3/3) moist; strong medium prismatic structure; very hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; 35 percent continuous distinct clay films on faces of peds and in pores; 15 percent gravel and 5 percent paragravel; noneffervescent; neutral (pH 7.2); clear wavy boundary.

Btk—24 to 28 inches; grayish brown (10YR 5/2) paragravelly clay loam, dark grayish brown (10YR 4/2) moist; moderate medium subangular blocky structure; very hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; faint carbonate coats on bottom surfaces of rock fragments and 35 percent

discontinuous faint clay films on faces of peds and in pores; 15 percent paragravel; noneffervescent; slightly alkaline (pH 7.8); clear wavy boundary.
2Cr—28 to 60 inches; weakly cemented volcanic sandstone bedrock, light gray (2.5Y 7/1) dry; 1 percent lime concretions in cracks.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 20 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 20 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 15 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 20 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 20 percent gravel
- 0 to 15 percent parafragments

Reaction: pH 6.6 to 7.3

Btk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 24 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 15 percent gravel
- 5 to 20 percent parafragments

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

2Cr horizon(s):

Texture: Bedrock

Horrocks Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Mixed gravelly alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 55 percent

Elevation: 5,860 to 7,480 feet

Mean annual precipitation: 15 to 25 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Argixerolls

Typical Pedon

Horrocks gravelly loam; located in an area of Horrocks-Cleavage complex, 1 to 12 percent slopes; in shrub cover; 715 feet south, 1,800 feet west of the northeast corner of section 18, T 13 S., R 43 E.; Ovid, Idaho USGS quadrangle; 42 degrees, 17 minutes, 51.60 seconds north latitude and 111 degrees, 28 minutes, 14.70 seconds west longitude; UTM 461195 meters E, 4682934 meters N, zone 12 NAD83.

A1—0 to 7 inches; very dark grayish brown (10YR 3/2) gravelly loam, very dark brown (10YR 2/2) moist; moderate very fine and fine granular structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and fine roots; many very fine irregular pores; 25 percent gravel; noneffervescent; neutral (pH 6.6); clear smooth boundary.

A2—7 to 12 inches; dark brown (10YR 3/3) gravelly loam, very dark brown (10YR 2/2) moist; moderate fine and medium granular structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; many very fine irregular and tubular pores; 25 percent gravel; noneffervescent; neutral (pH 6.6); clear wavy boundary.

Bt1—12 to 19 inches; grayish brown (10YR 5/2) gravelly clay loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common fine and medium roots; common fine tubular pores; 35 percent faint clay films on faces of peds and in pores; 30 percent gravel and 2 percent cobbles; noneffervescent; neutral (pH 6.8); clear wavy boundary.

Bt2—19 to 31 inches; brown (10YR 5/3) very gravelly clay loam, brown (10YR 4/3) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common fine and few coarse roots; common fine and few medium tubular pores; 35 percent faint clay films on faces of peds and in pores; 30 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.8); clear wavy boundary.

C—31 to 43 inches; pale brown (10YR 6/3) very gravelly loam, brown (10YR 4/3) moist; weak coarse and very coarse subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; few very fine and fine roots; common very fine and fine tubular pores; 35 percent gravel, 15 percent cobbles, and 5 percent stones; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.

R—43 to 60 inches; indurated quartzite bedrock.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 10 percent cobbles
- 15 to 30 percent gravel

Reaction: pH 6.3 to 7.0

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 10 percent cobbles
- 15 to 30 percent gravel

Reaction: pH 6.4 to 7.0

Bt1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay loam, sandy clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 0 to 5 percent stones
- 1 to 10 percent cobbles
- 29 to 40 percent gravel

Reaction: pH 6.5 to 7.2

Bt2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Clay loam, sandy clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 0 to 3 percent stones
- 7 to 17 percent cobbles
- 28 to 40 percent gravel

Reaction: pH 6.5 to 7.2

C horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy clay loam, loam

Clay content: 12 to 22 percent

Content of rock fragments:

- 2 to 10 percent stones
- 3 to 20 percent cobbles
- 25 to 40 percent gravel

Reaction: pH 6.5 to 7.3

R horizon(s):

Texture: Bedrock

Hutchley Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from quartzite and/or conglomerate

Slope range: 2 to 60 percent

Elevation: 5,940 to 7,410 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls

Typical Pedon

Hutchley very cobbly sandy loam; located in an area of Hutchley-Cupine-Vitale complex, 2 to 60 percent slopes; in shrub cover; 2,100 feet east, 2,500 feet south of the northwest corner of section 16, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 7 minutes, 8.30 seconds north latitude and 111 degrees, 26 minutes, 12.10 seconds west longitude; UTM 463901 meters E, 4663078 meters N, zone 12 NAD83.

A—0 to 2 inches; brown (7.5YR 4/3) very cobbly sandy loam, very dark brown (7.5YR 2.5/3) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; 20 percent gravel and 15 percent cobbles; noneffervescent; slightly acid (pH 6.2); clear smooth boundary.

Bt1—2 to 10 inches; brown (7.5YR 4/3) very cobbly sandy clay loam, very dark brown (7.5YR 2.5/3) moist; moderate medium subangular blocky structure; soft, friable, slightly sticky, nonplastic; common very fine and fine roots; 40 percent distinct clay bridges; 20 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 6.8); clear smooth boundary.

Bt2—10 to 15 inches; brown (7.5YR 4/4) very cobbly sandy clay loam, dark brown (7.5YR 3/4) moist; moderate medium subangular blocky structure; soft, friable, slightly sticky, slightly plastic; common very fine and fine roots; 40 percent distinct clay bridges; 15 percent gravel, 20 percent cobbles, and 10 percent stones; noneffervescent; neutral (pH 6.8); abrupt wavy boundary.

R—15 to 60 inches; indurated quartzite bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Sandy loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 15 to 25 percent cobbles
- 15 to 40 percent gravel

Reaction: pH 6.1 to 7.3

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Sandy clay loam

Soil Survey of Bear Lake County Area, Idaho

Clay content: 24 to 35 percent

Content of rock fragments:

- 15 to 20 percent cobbles
- 15 to 50 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Sandy clay loam

Clay content: 24 to 35 percent

Content of rock fragments:

- 0 to 20 percent stones
- 15 to 20 percent cobbles
- 15 to 50 percent gravel

Reaction: pH 6.6 to 7.3

R horizon(s):

Texture: Bedrock

Lphil Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced silty alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 30 percent

Elevation: 5,820 to 7,360 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-silty, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Lphil silt loam; located in an area of Lphil-Watercanyon complex, 2 to 20 percent slopes; in rangeland; 1,100 feet east, 100 feet south of the northwest corner of section 30, T 13 S., R 45 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 16 minutes, 11.70 seconds north latitude and 111 degrees, 14 minutes, 39.20 seconds west longitude; UTM 479860 meters E, 4679775 meters N, zone 12 NAD83.

A1—0 to 3 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate very thick platy structure parting to moderate medium subangular blocky; soft, very friable, slightly sticky, slightly plastic; common very fine and medium roots; many very fine irregular pores; 1 percent fine irregular carbonate masses; strongly effervescent; slightly alkaline (pH 7.8); abrupt smooth boundary.

A2—3 to 5 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; weak fine and medium subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; 1 percent fine irregular carbonate masses; strongly effervescent; slightly alkaline (pH 7.7); abrupt smooth boundary.

Bw—5 to 13 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; weak coarse prismatic structure parting to moderate very thick platy; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine

tubular pores; 1 percent fine irregular carbonate masses; strongly effervescent; slightly alkaline (pH 7.7); abrupt smooth boundary.

Bk1—13 to 30 inches; very pale brown (10YR 7/3) silt loam, pale brown (10YR 6/3) moist; moderate medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine and few fine tubular pores; 20 percent fine irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.0); 45 percent hard, firm nodules; gradual wavy boundary.

Bk2—30 to 45 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; many very fine and few fine and medium tubular pores; 20 percent fine irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.2); 25 percent hard, firm nodules; gradual wavy boundary.

Bk3—45 to 52 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; massive; soft, very friable, slightly sticky, slightly plastic; few very fine roots; many very fine and few fine tubular pores; 20 percent fine irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.3); gradual wavy boundary.

C—52 to 60 inches; very pale brown (10YR 7/3) silt loam, light yellowish brown (10YR 6/4) moist; massive; soft, very friable, nonsticky, slightly plastic; few very fine roots; common very fine tubular pores; 20 percent fine irregular carbonate masses; violently effervescent; moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 7 to 18 percent

Calcium-carbonate equivalent: 5 to 15 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

Bw horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Calcium-carbonate equivalent: 5 to 15 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

Bk1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.4

Bk2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 8

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Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.4

Bk3 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.4

C horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 8

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.6

Ireland Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium derived from conglomerate and/or limestone

Slope range: 15 to 40 percent

Elevation: 5,900 to 7,000 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Ireland gravelly loam; located in an area of Ireland-Falula-Vicking complex, 15 to 40 percent slopes; in shrub cover; 635 feet east, 2,140 feet south of the northwest corner of section 16, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 22 minutes, 51.00 seconds north latitude and 111 degrees, 26 minutes, 34.00 seconds west longitude; UTM 463549 meters E, 4692156 meters N, zone 12 NAD83.

A1—0 to 4 inches; brown (10YR 5/3) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; 20 percent gravel; noneffervescent; neutral (pH 7.2); clear wavy boundary.

A2—4 to 11 inches; brown (10YR 5/3) very cobbly silt loam, very dark grayish brown (10YR 3/2) moist; weak medium subangular blocky structure parting to moderate fine granular; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; faint carbonate coats on bottom surfaces of rock fragments; 20 percent

gravel and 15 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Bk—11 to 24 inches; pale brown (10YR 6/3) very cobbly silt loam, dark grayish brown (10YR 4/2) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine and few medium and coarse roots; many very fine and fine tubular pores; continuous distinct carbonate coats on bottom surfaces of rock fragments; 10 percent fine, distinct, threadlike carbonate masses throughout; 20 percent gravel and 20 percent cobbles; strongly effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.

R—24 to 60 inches; indurated calcareous conglomerate bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.8 to 7.8

A2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 15 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.2 to 7.8

Bk horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 15 to 22 percent

Content of rock fragments:

- 10 to 30 percent cobbles
- 15 to 40 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

R horizon(s):

Texture: Bedrock

Jacanyon Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium over residuum weathered from sandstone and siltstone

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Slope range: 10 to 50 percent

Elevation: 5,910 to 7,570 feet

Mean annual precipitation: 15 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Typic Argixerolls

Typical Pedon

Jacanyon loam; located in an area of Jacanyon-Cleavage complex, 10 to 50 percent slopes; in shrub cover; 345 feet east, 1,745 feet north of the southwest corner of section 33, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 4 minutes, 22.70 seconds north latitude and 111 degrees, 26 minutes, 34.90 seconds west longitude; UTM 463352 meters E, 4657974 meters N, zone 12 NAD83.

A—0 to 2 inches; brown (10YR 4/3) loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine, common medium, and few coarse roots; few fine irregular pores; 5 percent gravel; noneffervescent; neutral (pH 6.8); abrupt smooth boundary.

Bt1—2 to 11 inches; brown (10YR 4/3) gravelly loam, dark brown (10YR 3/3) moist; moderate medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; common very fine and few fine roots; common very fine and fine tubular pores; 40 percent distinct clay films on all faces of peds; 15 percent gravel; noneffervescent; neutral (pH 6.8); clear smooth boundary.

Bt2—11 to 18 inches; dark yellowish brown (10YR 4/4) gravelly clay loam, dark brown (10YR 3/3) moist; moderate medium prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, friable, slightly sticky, slightly plastic; few fine roots; common very fine and fine tubular pores; 40 percent distinct clay films on all faces of peds; 15 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

Bt3—18 to 26 inches; dark yellowish brown (10YR 4/4) gravelly clay loam, dark yellowish brown (10YR 3/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, slightly plastic; few very fine roots; common fine tubular pores; 40 percent distinct clay films on all faces of peds; 15 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.0); clear smooth boundary.

BC1—26 to 30 inches; brown (10YR 4/3) channery clay loam, dark yellowish brown (10YR 4/4) moist; massive; slightly hard, friable, moderately sticky, slightly plastic; few very fine roots; few fine irregular pores; 20 percent channers; noneffervescent; neutral (pH 7.0); clear smooth boundary.

BC2—30 to 35 inches; reddish yellow (7.5YR 6/6) very channery clay loam, yellowish brown (10YR 5/6) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; 35 percent channers; noneffervescent; neutral (pH 7.0); abrupt smooth boundary.

R—35 to 60 inches; strongly cemented sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 20 percent

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Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 22 to 27 percent

Content of rock fragments: 15 to 30 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 22 to 33 percent

Content of rock fragments: 15 to 30 percent gravel

Reaction: pH 6.6 to 7.3

Bt3 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 22 to 33 percent

Content of rock fragments: 0 to 10 percent channers

Reaction: pH 6.6 to 7.3

BC horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Clay loam

Clay content: 22 to 33 percent

Content of rock fragments: 20 to 35 percent channers

Reaction: pH 6.6 to 7.3

R horizon(s):

Texture: Bedrock

Jebo Series

Depth class: Moderately deep

Drainage class: Somewhat excessively drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, ridges

Parent material: Slope alluvium and/or colluvium over residuum weathered from calcareous sandstone

Slope range: 5 to 40 percent

Elevation: 6,000 to 7,610 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Jebo gravelly fine sandy loam; located in an area of Jebo-Cupine complex, dry, 5 to 35 percent slopes; in shrub cover; 400 feet north, 1,000 feet east of the southwest corner of section 22, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 5 minutes, 50.20 seconds north latitude and 111 degrees, 11 minutes, 8.70 seconds west longitude; UTM 484640 meters E, 4660594 meters N, zone 12 NAD83.

A—0 to 3 inches; brown (10YR 5/3) gravelly fine sandy loam, very dark grayish brown (10YR 3/2) moist; weak very fine granular structure; soft, very friable; many very fine and fine roots; common very fine interstitial pores; 15 percent gravel; noneffervescent; neutral (pH 7.2); abrupt wavy boundary.

BA—3 to 12 inches; brown (7.5YR 5/2) gravelly fine sandy loam, dark brown (7.5YR 3/2) moist; weak very fine subangular blocky structure; soft, very friable; many very fine and fine roots; common very fine interstitial pores; 15 percent gravel; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Bk1—12 to 19 inches; very pale brown (10YR 7/3) very gravelly fine sandy loam, brown (7.5YR 5/2) moist; moderate very fine subangular blocky structure; slightly hard, very friable; common very fine and fine roots; common very fine interstitial and few very fine tubular pores; 24 percent lime concretions; 35 percent gravel and 10 percent cobbles; strongly effervescent; moderately alkaline (pH 8.2); clear wavy boundary.

Bk2—19 to 28 inches; very pale brown (10YR 8/3) very gravelly fine sandy loam, very pale brown (10YR 7/4) moist; single grain; hard, very friable; common very fine and fine roots; common very fine interstitial pores; 40 percent lime concretions; 40 percent gravel and 15 percent cobbles; strongly effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.

R—28 to 60 inches; indurated sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 25 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Fine sandy loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Sodium-adsorption ratio: 0 to 2

Reaction: pH 6.6 to 7.6

BA horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Fine sandy loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Sodium-adsorption ratio: 0 to 2

Reaction: pH 6.6 to 7.6

Bk1 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Fine sandy loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 10 to 30 percent cobbles
- 25 to 45 percent gravel

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 2

Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Fine sandy loam, sandy loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 10 to 30 percent cobbles
- 25 to 45 percent gravel

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 2

Reaction: pH 7.9 to 8.4

R horizon(s):

Texture: Bedrock

Joes Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced alluvium and/or slope alluvium

Slope range: 1 to 15 percent

Elevation: 5,860 to 6,700 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Joes silt loam; located in an area of Joes silt loam, 1 to 4 percent slopes; in cropland; 100 feet west, 1,850 feet north of the southeast corner of section 22, T 13 S., R 43 E.; Ovid, Idaho USGS quadrangle; 42 degrees, 16 minutes, 32.60 seconds north latitude and 111 degrees, 24 minutes, 21.60 seconds west longitude; UTM 466522 meters E, 4680470 meters N, zone 12 NAD83.

A—0 to 7 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; carbonate, finely disseminated throughout; very slightly effervescent; slightly alkaline (pH 7.6); clear smooth boundary.

AB—7 to 12 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; 5 percent fine, irregular, very weakly cemented carbonate masses throughout; slightly effervescent; slightly alkaline (pH 7.8); clear smooth boundary.

Bk1—12 to 20 inches; yellowish brown (10YR 5/4) silt loam, dark grayish brown (10YR 4/2) moist; strong fine and medium subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; 10 percent fine, irregular, very weakly cemented carbonate masses throughout; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

Bk2—20 to 50 inches; very pale brown (10YR 7/3) silty clay loam, brown (10YR 5/3) moist; strong fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; 15 percent fine, irregular, carbonate masses

throughout; violently effervescent; moderately alkaline (pH 8.2); clear wavy boundary.

C—50 to 60 inches; very pale brown (10YR 8/3) loam, pale brown (10YR 6/3) moist; massive; soft, very friable, slightly sticky, slightly plastic; 10 percent fine and medium irregular carbonate masses throughout; strongly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Calcium-carbonate equivalent: 2 to 10 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.4 to 8.4

AB horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 18 to 30 percent

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 18 to 30 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, very fine sandy loam, loam

Clay content: 15 to 25 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

C horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, loam, very fine sandy loam

Clay content: 15 to 25 percent

Content of rock fragments: 0 to 6 percent gravel

Calcium-carbonate equivalent: 10 to 35 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Kucera Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced silty alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 45 percent

Elevation: 5,880 to 7,320 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 37 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-silty, mixed, superactive, frigid Calcic Pachic Haploxerolls

Typical Pedon

Kucera silt loam; located in an area of Kucera silt loam, 8 to 20 percent slopes; in rangeland; 2,615 feet west, 2,120 feet south of the northeast corner of section 13, T 6 S., R 38 E.; Chesterfield Reservoir, Idaho USGS quadrangle; 42 degrees, 53 minutes, 58.00 seconds north latitude and 111 degrees, 57 minutes, 15.10 seconds west longitude; UTM 422098 meters E, 4750089 meters N, zone 12 NAD83.

- A1—0 to 6 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate thick platy structure parting to moderate medium and coarse subangular blocky; soft, very friable, slightly sticky, slightly plastic; common very fine and fine roots; few fine tubular and common very fine irregular pores; noneffervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.
- A2—6 to 16 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; weak coarse subangular blocky structure parting to moderate fine and medium subangular blocky; soft, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and few fine tubular pores; noneffervescent; slightly alkaline (pH 7.7); clear smooth boundary.
- AB—16 to 26 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine roots; few very fine and fine tubular pores; 5 percent coarse irregular, very strongly cemented insect casts throughout; noneffervescent; slightly alkaline (pH 7.7); clear smooth boundary.
- Bw—26 to 34 inches; pale brown (10YR 6/3) silt loam, dark grayish brown (10YR 4/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine roots; few very fine and fine tubular pores; 5 percent coarse, irregular, very strongly cemented insect casts throughout; noneffervescent; slightly alkaline (pH 7.8); abrupt wavy boundary.
- Bk1—34 to 44 inches; pale brown (10YR 6/3) silt loam, brown (10YR 5/3) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; few very fine and fine tubular pores; carbonate, finely disseminated and 1 percent fine, irregular, weakly cemented lime masses and 1 percent fine threadlike lime concretions; strongly effervescent; moderately alkaline (pH 8.1); gradual wavy boundary.
- Bk2—44 to 60 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; massive; soft, very friable, nonsticky, slightly plastic; few very fine roots; few very fine and fine tubular pores; carbonate, finely disseminated and 10 percent fine and medium, irregular, weakly cemented lime masses and 10 percent fine and medium, threadlike, weakly cemented carbonate masses; strongly effervescent; moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Reaction: pH 6.6 to 8.0

A2 horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Reaction: pH 6.6 to 8.0

AB horizon(s):

Organic matter content: 2 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Reaction: pH 6.6 to 8.0

Bw horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Reaction: pH 7.4 to 8.2

Bk1 horizon(s):

Organic matter content: 0 to 0.30 percent

Texture (less than 2 mm): Silt loam

Clay content: 8 to 17 percent

Calcium-carbonate equivalent: 10 to 35 percent

Sodium-adsorption ratio: 0 to 2

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.20 percent

Texture (less than 2 mm): Silt loam

Clay content: 8 to 17 percent

Calcium-carbonate equivalent: 10 to 35 percent

Sodium-adsorption ratio: 0 to 2

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.8 to 8.5

La Roco Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains, stream terraces

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 2 percent

Elevation: 5,810 to 6,400 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, carbonatic, frigid Oxyaquic Calcixerolls

Typical Pedon

La Roco silty clay loam; located in an area of La Roco silty clay loam, 0 to 2 percent slopes; in rangeland; 1,400 feet west, 500 feet south of the northeast corner of section 23, T 14 S., R 44 E.; Dingle, Idaho USGS quadrangle; 42 degrees, 11 minutes, 46.20 seconds north latitude and 111 degrees, 16 minutes, 22.00 seconds west longitude; UTM 477478 meters E, 4671593 meters N, zone 12 NAD83.

- A1—0 to 2 inches; grayish brown (2.5Y 5/2) silty clay loam, very dark grayish brown (2.5Y 3/2) moist; strong very fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and few fine roots; many very fine irregular pores; strongly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.
- A2—2 to 11 inches; grayish brown (2.5Y 5/2) silty clay loam, very dark grayish brown (2.5Y 3/2) moist; moderate medium and coarse subangular blocky structure parting to moderate fine and medium granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, and medium roots; common very fine irregular and few fine irregular and tubular pores; strongly effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.
- Bk1—11 to 20 inches; very pale brown (10YR 8/2) silty clay loam, pale brown (10YR 6/3) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine and medium and few fine roots; common very fine and few fine tubular pores; 10 percent weakly cemented lime masses; violently effervescent; moderately alkaline (pH 8.2); clear wavy boundary.
- Bk2—20 to 26 inches; very pale brown (10YR 8/2) silt loam, very pale brown (10YR 7/3) moist; moderate thick platy structure parting to moderate fine subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine and medium roots; common very fine tubular pores; 25 percent coarse, weakly cemented lime masses; violently effervescent; moderately alkaline (pH 8.2); clear wavy boundary.
- Bk3—26 to 34 inches; very pale brown (10YR 7/4) silt loam, light yellowish brown (10YR 6/4) moist; moderate thin platy structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine roots; common very fine and fine tubular pores; 10 percent threadlike, weakly cemented carbonate masses and 10 percent weakly cemented lime masses; violently effervescent; moderately alkaline (pH 8.4); clear smooth boundary.
- Bk4—34 to 42 inches; very pale brown (10YR 7/3) silt loam, light yellowish brown (10YR 6/4) moist; weak medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; common very fine and few fine tubular pores; 1 percent fine, distinct, yellowish brown (10YR 5/6) moist, irregular shaped masses of oxidized iron; 10 percent very strongly cemented lime nodules; violently effervescent; moderately alkaline (pH 8.1); abrupt smooth boundary.
- 2Cg1—42 to 49 inches; light yellowish brown (10YR 6/4) fine sandy loam, yellowish brown (10YR 5/4) moist; massive; slightly hard, very friable, nonsticky, nonplastic; few very fine roots; common very fine and few fine tubular pores; 1 percent fine, distinct, yellowish brown (10YR 5/6) moist, irregular shaped masses of oxidized iron and 1 percent fine prominent gray (2.5Y 5/1) moist, irregular shaped iron depletions; violently effervescent; moderately alkaline (pH 8.2); clear smooth boundary.

- 2Cg2—49 to 59 inches; yellowish brown (10YR 5/4) very fine sandy loam, dark yellowish brown (10YR 4/4) moist; massive; soft, very friable, nonsticky, nonplastic; few very fine roots; few fine vesicular and few very fine tubular pores; 1 percent medium distinct dark yellowish brown (10YR 4/6) moist, irregular shaped masses of oxidized iron and 10 percent fine and medium, irregular shaped, prominent, gray (2.5Y 5/1) moist, irregular shaped iron depletions; 5 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.
- 3C—59 to 62 inches; pink (7.5YR 7/4) extremely gravelly loamy sand, brown (7.5YR 4/4) moist; single grain; loose, nonsticky, nonplastic; many very fine irregular and few fine vesicular pores; 75 percent gravel; slightly effervescent; moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to strongly contrasting textural stratification

Water Features

Seasonal high water table:

- Month(s): February, March, April, May, June, July
- Depth: 30 to 40 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

A1 horizon(s):

Organic matter content: 3 to 7 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 35 to 42 percent
Calcium-carbonate equivalent: 15 to 40 percent
Sodium-adsorption ratio: 1 to 7
Electrical conductivity (mmhos/cm): 1 to 8
Reaction: pH 7.9 to 8.4

A2 horizon(s):

Organic matter content: 3 to 7 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 35 to 42 percent
Calcium-carbonate equivalent: 20 to 40 percent
Sodium-adsorption ratio: 1 to 8
Electrical conductivity (mmhos/cm): 1 to 12
Reaction: pH 7.9 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 25 to 47 percent
Calcium-carbonate equivalent: 40 to 60 percent
Sodium-adsorption ratio: 1 to 8
Electrical conductivity (mmhos/cm): 1 to 10
Reaction: pH 8.0 to 8.8

Bk2 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 25 to 40 percent
Calcium-carbonate equivalent: 40 to 60 percent
Sodium-adsorption ratio: 1 to 7

Soil Survey of Bear Lake County Area, Idaho

Electrical conductivity (mmhos/cm): 0 to 8

Reaction: pH 8.0 to 8.8

Bk3 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 20 to 34 percent

Calcium-carbonate equivalent: 40 to 60 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 6

Reaction: pH 8.0 to 8.8

Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 20 to 34 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 40 to 60 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 5

Reaction: pH 7.9 to 8.8

2Cg1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Very fine sandy loam, loam, fine sandy loam

Clay content: 10 to 15 percent

Content of rock fragments: 0 to 25 percent gravel

Calcium-carbonate equivalent: 1 to 15 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

2Cg2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Fine sandy loam, loam, very fine sandy loam

Clay content: 10 to 15 percent

Content of rock fragments: 3 to 25 percent gravel

Calcium-carbonate equivalent: 1 to 15 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 0

Reaction: pH 7.6 to 8.4

3C horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand

Clay content: 5 to 10 percent

Content of rock fragments: 15 to 80 percent gravel

Calcium-carbonate equivalent: 1 to 10 percent

Sodium-adsorption ratio: 1 to 5

Electrical conductivity (mmhos/cm): 0 to 0

Reaction: pH 7.6 to 8.4

Lag Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Soil Survey of Bear Lake County Area, Idaho

Landform: Mountain slopes

Parent material: Mixed gravelly slope alluvium and/or colluvium

Slope range: 5 to 60 percent

Elevation: 6,080 to 7,660 feet

Mean annual precipitation: 18 to 26 inches

Mean annual air temperature: 36 to 41 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Xeric Haplocryolls

Typical Pedon

Lag gravelly loam; located in an area of Lag-Dranyon complex, 10 to 60 percent slopes; in forestland; 2,185 feet north, 2,210 feet west of the southeast corner of section 7, T 11 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 28 minutes, 45.80 seconds north latitude and 111 degrees, 28 minutes, 25.90 seconds west longitude; UTM 461052 meters E, 4703114 meters N, zone 12 NAD83.

Oi—0 to 1 inches; slightly decomposed plant material; abrupt smooth boundary.

A—1 to 8 inches; very dark grayish brown (10YR 3/2) gravelly loam, black (10YR 2/1) moist; weak fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine irregular pores; 25 percent gravel and 5 percent cobbles; noneffervescent; slightly acid (pH 6.5); clear wavy boundary.

Bw1—8 to 17 inches; brown (7.5YR 5/3) very gravelly sandy loam, brown (7.5YR 4/3) moist; weak very fine subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine irregular pores; 45 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.

Bw2—17 to 32 inches; brown (7.5YR 5/3) very gravelly sandy loam, brown (7.5YR 4/4) moist; weak very fine subangular blocky structure; soft, very rigid, nonsticky, nonplastic; many very fine and fine roots; many very fine and fine irregular pores; 40 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.

Bw3—32 to 48 inches; light brown (7.5YR 6/4) extremely gravelly sandy loam, strong brown (7.5YR 5/6) moist; weak very fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; few very fine and fine roots; common very fine irregular pores; 60 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.8); clear wavy boundary.

C—48 to 60 inches; pale brown (10YR 6/3) extremely gravelly sandy loam, dark yellowish brown (10YR 4/4) moist; massive; soft, very friable, nonsticky, nonplastic; few fine roots; common very fine irregular pores; 60 percent gravel and 20 percent cobbles; noneffervescent; neutral (pH 7.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Oi horizon(s):

Texture: Slightly decomposed plant material

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 22 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.3 to 7.0

Bw1 horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Sandy loam

Clay content: 5 to 20 percent

Content of rock fragments:

- 5 to 30 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 6.4 to 7.2

Bw2 horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Sandy loam

Clay content: 5 to 20 percent

Content of rock fragments:

- 5 to 30 percent cobbles
- 35 to 55 percent gravel

Reaction: pH 6.4 to 7.2

Bw3 horizon(s):

Organic matter content: 0 to 0.15 percent

Texture (less than 2 mm): Sandy loam

Clay content: 5 to 20 percent

Content of rock fragments:

- 5 to 20 percent cobbles
- 35 to 60 percent gravel

Reaction: pH 6.4 to 7.2

C horizon(s):

Organic matter content: 0 to 0.10 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 5 to 20 percent

Content of rock fragments:

- 10 to 25 percent cobbles
- 35 to 60 percent gravel

Reaction: pH 6.4 to 7.2

Lago Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains

Parent material: Silty alluvium

Slope range: 0 to 2 percent

Elevation: 5,820 to 6,450 feet

Mean annual precipitation: 12 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Aquic Calcixerolls

Typical Pedon

Lago silt loam; located in an area of Lago silt loam, 0 to 1 percent slopes; in rangeland; 2,086 feet west, 1,515 feet south of the northeast corner of section 34, T 13 S., R 44 E.; Montpelier, Idaho USGS quadrangle; 42 degrees, 15 minutes, 5.70 seconds north latitude and 111 degrees, 17 minutes, 42.30 seconds west longitude; UTM 475658 meters E, 4677752 meters N, zone 12 NAD83.

- A—0 to 8 inches; gray (10YR 5/1) silt loam, very dark grayish brown (10YR 3/2) moist; strong fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; many very fine and common fine roots; many very fine, few fine, and common medium tubular pores; carbonate, finely disseminated throughout; strongly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.
- Bk1—8 to 13 inches; gray (10YR 6/1) silt loam, gray (10YR 5/1) crushed, and very dark gray (10YR 3/1) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, moderately plastic; many very fine and few fine roots; many very fine and few fine tubular pores; carbonate, finely disseminated throughout; violently effervescent; moderately alkaline (pH 8.2); abrupt smooth boundary.
- Bk2—13 to 19 inches; light gray (10YR 7/1) silt loam, gray (10YR 5/1) crushed, and grayish brown (10YR 5/2) moist; weak medium and coarse subangular blocky structure parting to weak fine and medium granular; slightly hard, very friable, slightly sticky, moderately plastic; common very fine roots; many very fine and few fine tubular pores; carbonate, finely disseminated throughout; violently effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.
- Bk3—19 to 29 inches; light brownish gray (10YR 6/2) silty clay loam, grayish brown (10YR 5/2) moist; weak coarse subangular blocky structure parting to weak fine and medium granular; slightly hard, very friable, moderately sticky, moderately plastic; few very fine roots; many very fine and few fine tubular pores; 21 percent platy, extremely weakly cemented, carbonate masses between peds and 25 percent fine, irregular, extremely weakly cemented, carbonate masses throughout; strongly effervescent; moderately alkaline (pH 8.2); clear smooth boundary.
- Bkg—29 to 38 inches; light gray (10YR 7/1) silty clay loam, light brownish gray (10YR 6/2) and pale brown (10YR 6/3) moist; 10 percent fine prominent brownish yellow (10YR 6/6) mottles; weak medium and coarse prismatic structure; hard, firm, moderately sticky, moderately plastic; few very fine roots; many very fine and few fine tubular pores; 21 percent platy, extremely weakly cemented, carbonate masses between peds and 25 percent fine, irregular, extremely weakly cemented, carbonate masses throughout; strongly effervescent; moderately alkaline (pH 8.4); clear smooth boundary.
- BCk1—38 to 45 inches; very pale brown (10YR 7/3) silt loam, pale brown (10YR 6/3) and light yellowish brown (10YR 6/4) moist; 10 percent fine, distinct, yellow (10YR 7/6) mottles; massive; hard, firm, slightly sticky, moderately plastic; few very fine roots; many very fine tubular pores; 20 percent medium and coarse, irregular, extremely weakly cemented, carbonate concretions throughout; strongly effervescent; moderately alkaline (pH 8.4); clear smooth boundary.
- BCk2—45 to 55 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) and light yellowish brown (10YR 6/4) moist; 15 percent fine, prominent, black (7.5YR 2.5/1) mottles; massive; hard, firm, slightly sticky, moderately plastic; few very fine roots; few very fine and fine tubular pores; 20 percent medium and coarse, irregular, extremely weakly cemented carbonate concretions with clear boundaries throughout; strongly effervescent; moderately alkaline (pH 8.4); abrupt wavy boundary.

2C—55 to 60 inches; light yellowish brown (10YR 6/4) fine sandy loam, dark brown (10YR 3/3) moist; 25 percent fine, prominent, light gray (10YR 7/1), 25 percent fine and medium, prominent, black (7.5YR 2.5/1), and 25 percent fine, prominent, brownish yellow (10YR 6/8) mottles; massive; slightly hard, very friable, nonsticky, nonplastic; many very fine irregular and common very fine tubular pores; carbonate, finely disseminated throughout; slightly effervescent; moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): February, March, April, May, June, July, August
- Depth: 20 to 40 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

A horizon(s):

Organic matter content: 3 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 26 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 26 percent

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 26 percent

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 22 to 35 percent

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

Bkg horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 22 to 35 percent

Calcium-carbonate equivalent: 15 to 35 percent

Soil Survey of Bear Lake County Area, Idaho

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.6

BCK1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 22 to 35 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.6

BCK2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, silty clay loam

Clay content: 22 to 35 percent

Calcium-carbonate equivalent: 15 to 35 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.6

2C horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Fine sandy loam, sandy loam, silt loam

Clay content: 10 to 26 percent

Calcium-carbonate equivalent: 5 to 25 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.6

Lanoak Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced silty alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 25 percent

Elevation: 5,890 to 6,890 feet

Mean annual precipitation: 13 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Pachic Haploxerolls

Typical Pedon

Lanoak silt loam; located in an area of Lanoak silt loam, 1 to 4 percent slopes; in cropland; 1,300 feet west, 845 feet north of the southeast corner of section 27, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 10 minutes, 19.10 seconds north latitude and 111 degrees, 24 minutes, 37.80 seconds west longitude; UTM 466094 meters E, 4668953 meters N, zone 12 NAD83.

A1—0 to 9 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; weak medium granular structure; soft, very friable, slightly sticky, slightly plastic; common fine and medium roots; many very fine and fine interstitial pores; noneffervescent; neutral (pH 7.2); clear smooth boundary.

A2—9 to 16 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; weak medium subangular blocky structure; slightly hard, friable, slightly

sticky, slightly plastic; common fine and medium roots; common very fine and fine tubular pores; noneffervescent; neutral (pH 7.2); gradual wavy boundary.

Bt1—16 to 25 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; weak coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common fine and medium roots; common very fine and fine tubular pores; 4 percent patchy, faint, clay films on faces of peds; noneffervescent; slightly alkaline (pH 7.4); gradual wavy boundary.

Bt2—25 to 43 inches; grayish brown (10YR 5/2) silt loam, dark grayish brown (10YR 4/2) moist; weak medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common fine and medium roots; common very fine and fine tubular pores; 4 percent patchy, faint, clay films on faces of peds; noneffervescent; slightly alkaline (pH 7.6); gradual wavy boundary.

Bk—43 to 60 inches; pale brown (10YR 6/3) silt loam, brown (10YR 4/3) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; few fine and medium roots; common fine to coarse tubular pores; 1 percent fine, irregular, carbonate threads; strongly effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 20 percent

Reaction: pH 6.4 to 7.6

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 20 percent

Reaction: pH 6.4 to 7.6

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 22 percent

Reaction: pH 6.6 to 7.8

Bt2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Reaction: pH 6.6 to 7.8

Bk horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Calcium-carbonate equivalent: 2 to 15 percent

Reaction: pH 7.4 to 8.4

Ledgehollow Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Soil Survey of Bear Lake County Area, Idaho

Landform: Hillslopes, mountain slopes

Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash

Slope range: 5 to 40 percent

Elevation: 6,030 to 7,660 feet

Mean annual precipitation: 16 to 23 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy, mixed, superactive, shallow Xeric Argicryolls

Typical Pedon

Ledgehollow gravelly loam; located in an area of Richollow-Ledgehollow complex, 5 to 35 percent slopes; in shrub cover; 1,250 feet west, 1,225 feet south of the northeast corner of section 2, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 43.70 seconds north latitude and 111 degrees, 23 minutes, 30.00 seconds west longitude; UTM 467773 meters E, 4695611 meters N, zone 12 NAD83.

A—0 to 4 inches; very dark grayish brown (10YR 3/2) gravelly loam, very dark brown (10YR 2/2) moist; moderate medium granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; 15 percent gravel; noneffervescent; neutral (pH 6.8); clear smooth boundary.

Bt1—4 to 9 inches; dark grayish brown (10YR 4/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; slightly hard, firm, slightly sticky, slightly plastic; common very fine and fine and few medium and coarse roots; 10 percent discontinuous, faint, clay films on faces of peds and in pores; 15 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

Bt2—9 to 15 inches; dark grayish brown (10YR 4/2) gravelly clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; moderately hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium and coarse roots; 10 percent discontinuous, faint, clay films on faces of peds and in pores; 15 percent gravel and 15 percent paragravel; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.

2Cr—15 to 60 inches; (2.5Y 7/0) weakly cemented volcanic sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 20 percent

Content of rock fragments:

- 5 to 20 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, clay loam

Clay content: 20 to 28 percent

Content of rock fragments:

- 5 to 20 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 20 to 30 percent

Content of rock fragments:

- 5 to 20 percent gravel
- 5 to 20 percent parafragments

Reaction: pH 6.6 to 7.3

2Cr horizon(s):

Texture: Bedrock

Leftfork Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium derived from sedimentary rock

Slope range: 5 to 40 percent

Elevation: 5,840 to 7,080 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Typic Argixerolls

Typical Pedon

Leftfork loam; located in an area of Leftfork-Cleavage complex, 5 to 40 percent slopes; in shrub cover; 1,475 feet east, 1,140 feet south of the northwest corner of section 21, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 1 minutes, 35.30 seconds north latitude and 111 degrees, 26 minutes, 19.90 seconds west longitude; UTM 463670 meters E, 4652808 meters N, zone 12 NAD83.

A—0 to 5 inches; brown (10YR 5/3) loam, dark brown (10YR 3/3) moist; moderate coarse subangular blocky structure parting to strong medium subangular blocky; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine tubular pores; noneffervescent; slightly acid (pH 6.2); clear smooth boundary.

Bt1—5 to 11 inches; brown (10YR 4/3) clay, dark brown (10YR 3/3) moist; moderate medium subangular blocky structure; very hard, very firm, very sticky, very plastic; many very fine and common fine to coarse roots; many very fine and fine tubular pores; 40 percent patchy, faint, clay films on faces of peds and in pores; noneffervescent; slightly acid (pH 6.2); clear smooth boundary.

Bt2—11 to 18 inches; brown (7.5YR 4/4) clay, dark brown (7.5YR 3/4) moist; strong coarse prismatic structure parting to weak fine subangular blocky; hard, very firm, very sticky, very plastic; common very fine and fine roots; common very fine and fine tubular pores; 40 percent patchy, faint, clay films on faces of peds and

in pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.2); clear wavy boundary.

Bt3—18 to 25 inches; strong brown (7.5YR 4/6) clay, brown (7.5YR 4/4) moist; moderate medium prismatic structure parting to moderate medium subangular blocky; hard, very firm, very sticky, very plastic; common very fine and fine roots; common very fine and fine tubular pores; organic stains on faces of peds and 40 percent patchy, faint, clay films on faces of peds and in pores; noneffervescent; slightly acid (pH 6.2); clear wavy boundary.

2Bt4—25 to 43 inches; brown (7.5YR 5/4) extremely stony clay, brown (7.5YR 4/4) moist; strong fine subangular blocky structure; hard, very firm, very sticky, very plastic; few very fine and fine roots; few very fine and fine tubular pores; 40 percent patchy, faint, clay films on all faces of peds; 45 percent gravel, 15 percent cobbles, and 15 percent stones; strongly effervescent; neutral (pH 7.2); abrupt wavy boundary.

2Cr—43 to 45 inches; moderately cemented limestone bedrock; violently effervescent.

2R—45 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature:

- 40 to 57 inches to paralithic bedrock
- 43 to 60 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 27 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 1 to 14 percent gravel

Reaction: pH 6.1 to 6.5

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Clay loam, silty clay loam, silty clay, clay

Clay content: 35 to 47 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 1 to 14 percent gravel

Reaction: pH 6.1 to 6.5

Bt2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silty clay, silty clay loam, clay loam, clay

Clay content: 35 to 49 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 1 to 14 percent gravel

Reaction: pH 6.1 to 6.5

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay, clay, silty clay loam, clay loam

Clay content: 32 to 49 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 2 percent cobbles
- 1 to 14 percent gravel

Reaction: pH 6.1 to 6.5

2Bt4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam, silty clay loam, clay

Clay content: 32 to 49 percent

Content of rock fragments:

- 10 to 18 percent stones
- 10 to 18 percent cobbles
- 25 to 50 percent gravel

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 7.0 to 7.8

2Cr horizon(s):

Texture: Bedrock

2R horizon(s):

Texture: Bedrock

Lilcan Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite

Slope range: 2 to 50 percent

Elevation: 5,960 to 7,570 feet

Mean annual precipitation: 15 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Lithic Calcixerolls

Typical Pedon

Lilcan gravelly silt loam; located in an area of Lilcan-Rock outcrop-Jacanyon complex, 2 to 50 percent slopes; in forestland; 2,350 feet south, 450 feet east of the northwest corner of section 19, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 11 minutes, 30.20 seconds north latitude and 111 degrees, 29 minutes, 6.10 seconds west longitude; UTM 459952 meters E, 4671178 meters N, zone 12 NAD83.

A—0 to 3 inches; dark grayish brown (10YR 4/2) gravelly silt loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; many fine irregular pores; 30 percent gravel; slightly effervescent; neutral (pH 7.2); gradual wavy boundary.

Bk1—3 to 9 inches; grayish brown (10YR 5/2) very cobbly silt loam, very dark grayish brown (10YR 3/2) moist; weak very fine and fine subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium

roots; many fine irregular pores; 20 percent fine, irregular, carbonate masses and threads; 30 percent gravel and 20 percent cobbles; strongly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.

Bk2—9 to 15 inches; pale brown (10YR 6/3) extremely cobbly silt loam, brown (10YR 5/3) moist; moderate fine subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; common fine irregular pores; 50 percent fine and medium, irregular, carbonate masses and threads; 30 percent gravel and 40 percent cobbles; violently effervescent; slightly alkaline (pH 7.8); abrupt wavy boundary.

R—15 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 8 to 17 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 10 percent cobbles
- 20 to 43 percent gravel

Calcium-carbonate equivalent: 3 to 10 percent

Reaction: pH 7.2 to 7.8

Bk1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, sandy loam, silt loam

Clay content: 8 to 15 percent

Content of rock fragments:

- 0 to 2 percent stones
- 10 to 25 percent cobbles
- 30 to 45 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Reaction: pH 7.6 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam, silt loam

Clay content: 6 to 15 percent

Content of rock fragments:

- 0 to 2 percent stones
- 20 to 40 percent cobbles
- 25 to 45 percent gravel

Calcium-carbonate equivalent: 20 to 35 percent

Reaction: pH 7.8 to 8.4

R horizon(s):

Texture: Bedrock

Lizdale Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Soil Survey of Bear Lake County Area, Idaho

Parent material: Gravelly slope alluvium derived from limestone

Slope range: 4 to 12 percent

Elevation: 5,980 to 7,130 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, carbonatic, frigid Typic Calcixerolls

Typical Pedon

Lizdale gravelly loam; located in an area of Brifox-Lizdale complex, 4 to 12 percent slopes; in cropland; 1,050 feet east, 600 feet south of the northwest corner of section 13, T 16 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 2 minutes, 35.80 seconds north latitude and 111 degrees, 8 minutes, 45.00 seconds west longitude; UTM 487932 meters E, 4654593 meters N, zone 12 NAD83.

- A1—0 to 3 inches; grayish brown (10YR 5/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate thick platy structure parting to strong fine granular; soft, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine irregular pores; 20 percent gravel; strongly effervescent (13 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); abrupt smooth boundary.
- A2—3 to 11 inches; grayish brown (10YR 5/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; 10 percent fine, irregular, carbonate masses; 20 percent gravel; strongly effervescent (20 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear smooth boundary.
- Bk1—11 to 19 inches; very pale brown (10YR 7/3) gravelly loam, pale brown (10YR 6/3) moist; moderate medium subangular blocky structure; hard, friable, slightly sticky, nonplastic; common very fine roots; many very fine tubular pores; 15 percent strongly cemented carbonate nodules and 20 percent fine and medium irregular carbonate masses; 25 percent gravel; violently effervescent (50 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.
- Bk2—19 to 26 inches; very pale brown (10YR 7/3) extremely gravelly sandy loam, brown (10YR 5/3) moist; massive; slightly hard, very friable, slightly sticky, nonplastic; few very fine roots; many very fine irregular pores; carbonate, finely disseminated throughout and carbonate concretions around rock fragments; 65 percent gravel; violently effervescent (30 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.
- Bk3—26 to 40 inches; very pale brown (10YR 8/3) very gravelly sandy loam, very pale brown (10YR 7/3) moist; massive; soft, very friable, slightly sticky, nonplastic; many very fine tubular pores; carbonate, finely disseminated throughout and carbonate concretions around rock fragments; 50 percent gravel; violently effervescent (50 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); gradual wavy boundary.
- Bk4—40 to 60 inches; very pale brown (10YR 8/3) very gravelly loamy sand, very pale brown (10YR 7/3) moist; massive; soft, very friable, nonsticky, nonplastic; many very fine tubular pores; carbonate, finely disseminated throughout and carbonate concretions around rock fragments; 55 percent gravel; violently effervescent (35 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 16 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 12 to 20 percent

Reaction: pH 7.8 to 8.4

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 16 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 12 to 20 percent

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 35 to 65 percent gravel

Calcium-carbonate equivalent: 30 to 60 percent

Reaction: pH 7.9 to 8.5

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 35 to 65 percent gravel

Calcium-carbonate equivalent: 30 to 60 percent

Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 35 to 65 percent gravel

Calcium-carbonate equivalent: 40 to 60 percent

Reaction: pH 7.9 to 8.6

Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand

Clay content: 4 to 12 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 35 to 55 percent gravel

Calcium-carbonate equivalent: 30 to 50 percent

Reaction: pH 7.9 to 8.4

Lonjon Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Gravelly slope alluvium and/or colluvium and residuum weathered from limestone

Slope range: 5 to 65 percent

Elevation: 5,880 to 7,740 feet

Mean annual precipitation: 13 to 22 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, carbonatic, frigid Typic Calcixerolls

Typical Pedon

Lonjon very gravelly loam; located in an area of Sprollow, dry-Lonjon-Mumford complex, 15 to 30 percent slopes; in shrub cover; 1,150 feet east, 2,240 feet north of the southwest corner of section 32, T 13 S., R 46 E.; Border, Idaho USGS quadrangle; 42 degrees, 14 minutes, 52.10 seconds north latitude and 111 degrees, 6 minutes, 28.20 seconds west longitude; UTM 491104 meters E, 4677295 meters N, zone 12 NAD83.

A—0 to 3 inches; brown (10YR 5/3) very gravelly loam, dark brown (10YR 3/3) moist; weak fine and medium granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many fine irregular pores; carbonate, finely disseminated throughout; 40 percent gravel and 2 percent cobbles; strongly effervescent (13 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt wavy boundary.

Bw—3 to 12 inches; brown (10YR 5/3) very gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine subangular blocky structure; slightly hard, very friable, slightly sticky, nonplastic; many very fine and fine roots; common very fine irregular pores; carbonate, finely disseminated throughout; 40 percent gravel and 5 percent cobbles; strongly effervescent (21 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt wavy boundary.

Bk—12 to 26 inches; very pale brown (10YR 8/2) very gravelly loam, very pale brown (10YR 7/3) moist; massive; very hard, firm, nonsticky, nonplastic; few very fine roots; common very fine and fine irregular pores; carbonate, finely disseminated throughout; 55 percent gravel and 1 percent cobbles; violently effervescent (61 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

R—26 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 5 percent cobbles
- 35 to 60 percent gravel

Calcium-carbonate equivalent: 5 to 20 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.2

Bw horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 5 percent cobbles
- 20 to 50 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 10 percent cobbles
- 40 to 65 percent gravel

Calcium-carbonate equivalent: 40 to 60 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

R horizon(s):

Texture: Bedrock

Marshdale Series

Depth class: Very deep

Drainage class: Poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains

Parent material: Mixed alluvium over sandy and gravelly alluvium

Slope range: 0 to 3 percent

Elevation: 5,960 to 6,700 feet

Mean annual precipitation: 14 to 22 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Cumulic Endoaquolls

Typical Pedon

Marshdale silt loam; located in an area of Marshdale-Bloomcreek complex, 0 to 3 percent slopes; in rangeland; 1,800 feet north, 400 feet west of the southeast corner of section 19, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 11 minutes, 19.20 seconds north latitude and 111 degrees, 27 minutes, 56.40 seconds west longitude; UTM 461548 meters E, 4670830 meters N, zone 12 NAD83.

Oa—0 to 2 inches; black (N 2/0) highly decomposed plant material; clear wavy boundary.

A1—2 to 9 inches; dark gray (10YR 4/1) silt loam, black (10YR 2/1) moist; weak medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine tubular pores; 5 percent gravel; noneffervescent; moderately acid (pH 5.9); gradual wavy boundary.

A2—9 to 15 inches; dark gray (2.5Y 4/1) silt loam, black (2.5Y 2.5/1) moist; weak medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine tubular pores; 5 percent gravel; noneffervescent; moderately acid (pH 5.9); clear wavy boundary.

Bg1—15 to 24 inches; grayish brown (10YR 5/2) silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate coarse subangular blocky structure; moderately hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine tubular pores; 10 percent fine, prominent, irregular yellowish red (5YR 4/6) moist, masses of oxidized iron throughout; 5 percent gravel; noneffervescent; moderately acid (pH 6.0); gradual wavy boundary.

Bg2—24 to 38 inches; grayish brown (2.5Y 5/2) silty clay loam, dark grayish brown (2.5Y 4/2) moist; moderate coarse subangular blocky structure; moderately hard, friable, moderately sticky, slightly plastic; few very fine and fine roots; common very fine and fine tubular pores; 30 percent medium prominent irregular strong brown (7.5YR 5/6) moist, masses of oxidized iron throughout; 5 percent gravel and 1 percent cobbles; noneffervescent; moderately acid (pH 6.0); clear wavy boundary.

Bg3—38 to 50 inches; light brownish gray (2.5Y 6/2) silt loam, grayish brown (2.5Y 5/2) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; few very fine tubular pores; 35 percent coarse prominent irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron throughout; 5 percent gravel and 5 percent cobbles; noneffervescent; moderately acid (pH 6.0); abrupt wavy boundary.

2Cg—50 to 60 inches; grayish brown (2.5Y 5/2) extremely gravelly loamy coarse sand, light brownish gray (2.5Y 6/2) moist; single grain; loose, nonsticky, nonplastic; 70 percent gravel and 5 percent cobbles; noneffervescent; slightly acid (pH 6.2).

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to strongly contrasting textural stratification

Water Features

Seasonal high water table:

- Month(s): January through December
- Depth: 10 to 18 inches

Flooding:

- Month(s): April, May, June
- Frequency: Occasional
- Duration: Brief

Oa horizon(s):

Texture: Highly decomposed plant material

A1 horizon(s):

Organic matter content: 5 to 8 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 25 percent

Content of rock fragments: 0 to 5 percent gravel

Reaction: pH 6.1 to 7.0

A2 horizon(s):

Organic matter content: 4 to 7 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 18 to 25 percent

Content of rock fragments: 0 to 5 percent gravel

Reaction: pH 6.1 to 7.0

Bg1 horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Silty clay loam, silt loam, clay loam

Clay content: 18 to 34 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.1 to 7.0

Bg2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam, silt loam, clay loam

Clay content: 18 to 34 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.1 to 7.0

Bg3 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam, clay loam, sandy clay loam, silt loam

Clay content: 18 to 34 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.1 to 7.0

2Cg horizon(s):

Organic matter content: 0 to 0.00 percent

Texture (less than 2 mm): Sand, loamy coarse sand

Clay content: 2 to 5 percent

Content of rock fragments:

- 0 to 15 percent cobbles
- 10 to 70 percent gravel

Reaction: pH 6.1 to 7.0

Merkley Series

Depth class: Very deep

Drainage class: Moderately well drained

Soil Survey of Bear Lake County Area, Idaho

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Stream terraces

Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Elevation: 5,830 to 6,170 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-silty, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Merkley silt loam; located in an area of Merkley silt loam, 0 to 2 percent slopes; in cropland; 700 feet west, 1,200 feet north of the southeast corner of section 27, T 13 S., R 44 E.; Montpelier, Idaho USGS quadrangle; 42 degrees, 15 minutes, 32.50 seconds north latitude and 111 degrees, 17 minutes, 24.10 seconds west longitude; UTM 476079 meters E, 4678578 meters N, zone 12 NAD83.

A1—0 to 2 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium granular structure; soft, very friable, slightly sticky, slightly plastic; common very fine and fine and few medium and common coarse roots; common very fine and fine irregular and tubular pores; carbonate, finely disseminated throughout; slightly effervescent (<2 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); abrupt smooth boundary.

A2—2 to 12 inches; gray (10YR 5/1) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine to coarse roots; common very fine to medium irregular and common very fine to medium tubular pores; carbonate, finely disseminated throughout and 1 percent fine irregular carbonate masses throughout; slightly effervescent (<2 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); gradual smooth boundary.

Bk1—12 to 20 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; weak coarse subangular blocky structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; few fine and common very fine tubular pores; carbonate, finely disseminated throughout and 10 percent fine irregular carbonate masses; strongly effervescent (30 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); clear smooth boundary.

Bk2—20 to 28 inches; very pale brown (10YR 7/3) silt loam, light yellowish brown (10YR 6/4) moist; weak medium platy structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few very fine and fine roots; few fine and common very fine tubular pores; carbonate, finely disseminated throughout and 10 percent fine irregular carbonate masses; violently effervescent (45 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); clear wavy boundary.

Bk3—28 to 36 inches; very pale brown (10YR 7/4) silt loam, light yellowish brown (10YR 6/4) moist; moderate medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine and fine roots; few fine irregular and many very fine tubular pores; carbonate, finely disseminated throughout and 2 percent strongly cemented carbonate concretions and 10 percent medium irregular carbonate masses; strongly effervescent (35 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); clear wavy boundary.

Bk4—36 to 40 inches; light yellowish brown (10YR 6/4) loam, dark yellowish brown (10YR 4/4) moist; weak fine and medium subangular blocky structure; slightly

- hard, very friable, slightly sticky, slightly plastic; few very fine roots; few very fine irregular and many very fine tubular pores; carbonate, finely disseminated throughout and 10 percent strongly cemented carbonate concretions and 1 percent medium irregular carbonate masses; strongly effervescent (13 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.
- 2C1—40 to 53 inches; light yellowish brown (10YR 6/4) fine sandy loam, yellowish brown (10YR 5/4) moist; massive; soft, very friable, nonsticky, nonplastic; common very fine irregular and few very fine tubular pores; 1 percent fine, distinct, yellowish brown (10YR 5/6) moist, masses of oxidized iron and 25 percent medium and coarse prominent, irregular, very weakly cemented black (N 2.5/0) moist, manganese masses throughout; carbonate, finely disseminated throughout; strongly effervescent (<3 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); many medium and coarse prominent black (N 2.5/0) soft manganese masses and staining; abrupt wavy boundary.
- 2C2—53 to 56 inches; light yellowish brown (10YR 6/4) sandy loam, brown (7.5YR 4/4) moist; massive; soft, very friable, nonsticky, nonplastic; common very fine irregular pores; 1 percent fine and medium prominent, irregular, very weakly cemented black (N 2.5/0) moist, manganese masses and 20 percent coarse, distinct, irregular yellowish brown (10YR 5/6) moist, masses of oxidized iron throughout; carbonate, finely disseminated throughout; slightly effervescent (<3 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); few fine and medium prominent black (N 2/0) soft manganese masses and staining; abrupt wavy boundary.
- 2C3—56 to 60 inches; very pale brown (10YR 7/3) loamy coarse sand, brown (7.5YR 4/2) moist; single grain; loose, nonsticky, nonplastic; common very fine irregular pores; 1 percent medium distinct yellowish brown (10YR 5/6) moist, masses of oxidized iron and 1 percent medium prominent irregular very weakly cemented black (N 2.5/0) moist, manganese masses throughout; carbonate, finely disseminated throughout; slightly effervescent (5 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); few medium prominent black (N 2/0) soft manganese masses and staining.

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): February, March, April, May, June, July
- Depth: 40 to 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 22 percent

Calcium-carbonate equivalent: 2 to 10 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 22 percent

Calcium-carbonate equivalent: 2 to 10 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 25 percent
Calcium-carbonate equivalent: 15 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Calcium-carbonate equivalent: 15 to 45 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Calcium-carbonate equivalent: 15 to 40 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 10 to 17 percent
Calcium-carbonate equivalent: 10 to 30 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

2C1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sandy loam, fine sandy loam
Clay content: 3 to 12 percent
Content of rock fragments: 0 to 2 percent gravel
Calcium-carbonate equivalent: 0 to 10 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.8 to 8.6

2C2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sandy loam, fine sandy loam
Clay content: 3 to 12 percent
Content of rock fragments: 0 to 2 percent gravel
Calcium-carbonate equivalent: 0 to 10 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.8 to 8.6

2C3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sand, loamy coarse sand
Clay content: 1 to 5 percent
Content of rock fragments: 0 to 5 percent gravel
Calcium-carbonate equivalent: 0 to 10 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.8 to 8.6

Millerditch Series

Depth class: Very deep
Drainage class: Somewhat poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Flood plains
Parent material: Mixed alluvium
Slope range: 0 to 2 percent
Elevation: 5,810 to 6,230 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Aquic Calcixerolls

Typical Pedon

Millerditch silty clay loam; located in an area of Millerditch-Cookcan complex, 0 to 2 percent slopes; in rangeland; 500 feet east, 1,650 feet south of the northwest corner of section 12, T 15 S., R 45 E.; Pegram, Idaho USGS quadrangle; 42 degrees, 8 minutes, 5.80 seconds north latitude and 111 degrees, 8 minutes, 53.50 seconds west longitude; UTM 487754 meters E, 4664771 meters N, zone 12 NAD83.

- Ak1—0 to 1 inches; grayish brown (10YR 5/2) silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; common very fine and coarse roots; common very fine irregular pores; carbonate finely disseminated and 1 percent fine spherical carbonate masses throughout; strongly effervescent (15 percent calcium-carbonate equivalent); slightly alkaline (pH 7.6); abrupt smooth boundary.
- Ak2—1 to 8 inches; grayish brown (10YR 5/2) silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium granular structure; very hard, friable, moderately sticky, moderately plastic; common very fine to medium roots; common very fine tubular pores; carbonate finely disseminated and 1 percent fine spherical carbonate masses throughout; strongly effervescent (16 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt wavy boundary.
- Bk1—8 to 11 inches; light gray (10YR 7/2) silt loam, grayish brown (10YR 5/2) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, moderately plastic; common very fine to coarse roots; common very fine tubular pores; carbonate finely disseminated, 1 percent fine, irregular, carbonate masses and 1 percent fine, spherical carbonate masses throughout; strongly effervescent (18 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.
- Bk2—11 to 15 inches; light gray (10YR 7/2) loam, grayish brown (10YR 5/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very

friable, slightly sticky, slightly plastic; common very fine and fine roots; few very fine irregular pores; carbonate, finely disseminated and 1 percent fine spherical carbonate masses throughout; strongly effervescent; moderately alkaline (pH 8.4); (16 percent calcium-carbonate equivalent); clear wavy boundary.

Bk3—15 to 29 inches; light gray (10YR 7/2) fine sandy loam, brown (10YR 5/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; few very fine roots; common very fine irregular pores; carbonate, finely disseminated, 1 percent fine spherical carbonate masses, and 10 percent very fine shell fragments throughout; strongly effervescent (14 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); abrupt wavy boundary.

Cg1—29 to 45 inches; light brownish gray (10YR 6/2) sandy loam, brown (10YR 4/3) moist; massive; soft, very friable, nonsticky, nonplastic; few very fine roots; common very fine irregular and few very fine tubular pores; 1 percent fine prominent black (N 2/) moist, iron-manganese masses and 10 percent fine prominent dark gray (5Y 4/1) moist, iron depletions and 10 percent fine prominent strong brown (7.5YR 4/6) moist, masses of oxidized iron; carbonate, finely disseminated and 10 percent very fine shell fragments throughout; slightly effervescent (11 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); gradual wavy boundary.

2Cg2—45 to 53 inches; light brownish gray (10YR 6/2) loamy sand, dark grayish brown (10YR 4/2) moist; massive; soft, very friable, nonsticky, nonplastic; few very fine roots; common very fine irregular pores; 1 percent fine prominent black (N 2/) moist, iron-manganese masses and 10 percent medium prominent strong brown (7.5YR 4/6) moist, masses of oxidized iron; carbonate, finely disseminated and 10 percent very fine shell fragments throughout; slightly effervescent (5 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt wavy boundary.

2Agb—53 to 60 inches; grayish brown (2.5Y 5/2) sandy loam, very dark grayish brown (2.5Y 3/2) moist; massive; soft, very friable, nonsticky, nonplastic; few very fine roots; few very fine irregular pores; 20 percent coarse prominent brown (7.5YR 4/4) moist, masses of oxidized iron; carbonate, finely disseminated and 10 percent very fine shell fragments throughout; slightly effervescent (12 percent calcium-carbonate equivalent); slightly alkaline (pH 7.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 20 to 36 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

Ak1 horizon(s):

Organic matter content: 4 to 7 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 25 to 38 percent

Content of rock fragments: 0 to 3 percent gravel

Calcium-carbonate equivalent: 10 to 20 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

Ak2 horizon(s):

Organic matter content: 4 to 7 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 25 to 40 percent
Content of rock fragments: 0 to 3 percent gravel
Calcium-carbonate equivalent: 10 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Fine sandy loam, silt loam, silty clay loam
Clay content: 10 to 30 percent
Content of rock fragments: 0 to 3 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 5 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.8 to 9.0

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Loam, fine sandy loam, silt loam
Clay content: 15 to 25 percent
Content of rock fragments: 0 to 3 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 5 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.8 to 9.0

Bk3 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Loam, very fine sandy loam, fine sandy loam
Clay content: 10 to 20 percent
Content of rock fragments: 0 to 3 percent gravel
Calcium-carbonate equivalent: 10 to 30 percent
Sodium-adsorption ratio: 5 to 10
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.8 to 9.0

Cg1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Sandy loam, sand, loamy very fine sand
Clay content: 0 to 15 percent
Content of rock fragments: 0 to 3 percent gravel
Calcium-carbonate equivalent: 3 to 15 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.6 to 7.8

2Cg2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Sand, sandy loam, loamy sand
Clay content: 0 to 10 percent
Content of rock fragments: 0 to 3 percent gravel
Calcium-carbonate equivalent: 3 to 15 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.6 to 7.8

2Agb horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Sandy loam, loamy sand
Clay content: 0 to 15 percent
Content of rock fragments: 0 to 15 percent gravel
Calcium-carbonate equivalent: 3 to 15 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.6 to 7.8

Monida Series

Depth class: Very deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Loess influenced slope alluvium and/or colluvium derived from sandstone and siltstone
Slope range: 4 to 45 percent
Elevation: 6,220 to 7,740 feet
Mean annual precipitation: 13 to 20 inches
Mean annual air temperature: 36 to 39 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Calcic Argicryolls

Typical Pedon

Monida silt loam; located in an area of Church Springs-Monida complex, 4 to 25 percent slopes; in rangeland; 1,700 feet north, 450 feet west of the southeast corner of section 18, T 16 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 2 minutes, 56.50 seconds north latitude and 111 degrees, 12 minutes, 34.90 seconds west longitude; UTM 482648 meters E, 4655241 meters N, zone 12 NAD83.

A—0 to 3 inches; dark grayish brown (10YR 4/2) silt loam, very dark gray (10YR 3/1) moist; moderate very fine and fine subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and fine irregular pores; 10 percent gravel; noneffervescent; neutral (pH 6.8); clear wavy boundary.

Bt—3 to 7 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark grayish brown (10YR 3/2) moist; strong fine and medium subangular blocky structure; moderately hard, friable, moderately sticky, moderately plastic; many very fine and fine roots; many very fine and fine irregular and few very fine and fine tubular pores; 10 percent discontinuous faint clay films on surfaces along root channels and 15 percent discontinuous faint clay films on vertical faces of peds; 10 percent gravel; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Btk—7 to 15 inches; light yellowish brown (10YR 6/4) gravelly silty clay loam, dark grayish brown (10YR 4/2) moist; strong fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few fine and medium tubular pores; 25 percent discontinuous distinct clay films on surfaces along root channels and 35 percent discontinuous distinct clay films on vertical faces of peds; carbonate, finely disseminated in matrix; 20 percent gravel; slightly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.

Bk1—15 to 33 inches; light yellowish brown (10YR 6/4) gravelly silt loam, pale brown (10YR 6/3) moist; weak very fine and fine subangular blocky structure parting

to moderate very fine and fine granular; soft, very friable, slightly sticky, slightly plastic; common fine and medium tubular pores; carbonate, finely disseminated in matrix and 1 percent fine, faint, threadlike, extremely weakly cemented very pale brown (10YR 7/3), dry, carbonate masses in matrix and 10 percent fine and medium, faint, irregular, extremely weakly cemented very pale brown (10YR 7/3), dry, carbonate masses in matrix; 33 percent gravel; violently effervescent; moderately alkaline (pH 8.0); gradual wavy boundary.

Bk2—33 to 57 inches; very pale brown (10YR 8/2) gravelly silt loam, very pale brown (10YR 7/3) moist; moderate fine subangular blocky structure parting to moderate very fine and fine granular; soft, very friable, slightly sticky, slightly plastic; common fine and medium tubular pores; carbonate, finely disseminated in matrix, 1 percent fine, faint, threadlike, extremely weakly cemented very pale brown (10YR 7/3), dry, carbonate masses in matrix, and 10 percent fine and medium, faint, irregular, extremely weakly cemented very pale brown (10YR 7/3), dry, carbonate masses in matrix; 25 percent gravel; violently effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

Bk3—57 to 60 inches; very pale brown (10YR 8/2) very fine sandy loam, pale brown (10YR 6/3) moist; weak coarse and very coarse prismatic structure; soft, very friable, nonsticky, nonplastic; common fine and medium tubular pores; carbonate, finely disseminated in matrix, 1 percent fine, faint, threadlike, extremely weakly cemented very pale brown (10YR 7/3), dry, carbonate masses in matrix, and 10 percent fine and medium, faint, irregular, extremely weakly cemented very pale brown (10YR 7/3), dry, carbonate masses in matrix; 5 percent gravel; violently effervescent; moderately alkaline (pH 8.1).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bt horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 28 to 34 percent

Content of rock fragments: 5 to 18 percent gravel

Reaction: pH 7.4 to 7.6

Btk horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, silty clay loam, silt loam, loam

Clay content: 26 to 34 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 30 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Loam, silt loam, very fine sandy loam

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Clay content: 10 to 26 percent
Content of rock fragments: 5 to 35 percent gravel
Calcium-carbonate equivalent: 15 to 35 percent
Sodium-adsorption ratio: 0 to 1
Electrical conductivity (mmhos/cm): 0 to 0
Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, very fine sandy loam, loam
Clay content: 10 to 26 percent
Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 35 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent
Sodium-adsorption ratio: 0 to 1
Electrical conductivity (mmhos/cm): 0 to 0
Reaction: pH 7.8 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, loam, very fine sandy loam
Clay content: 10 to 26 percent
Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 35 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent
Sodium-adsorption ratio: 0 to 1
Electrical conductivity (mmhos/cm): 0 to 0
Reaction: pH 7.8 to 8.4

Mumford Series

Depth class: Shallow
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes, ridges
Parent material: Loess influenced gravelly slope alluvium and/or colluvium over residuum weathered from limestone
Slope range: 2 to 75 percent
Elevation: 5,890 to 7,630 feet
Mean annual precipitation: 13 to 22 inches
Mean annual air temperature: 37 to 43 degrees F
Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, carbonatic, frigid Lithic Calcixerepts

Typical Pedon

Mumford very gravelly silt loam; located in an area of Sprollow, dry-Lonjon-Mumford complex, 15 to 30 percent slopes; in shrub cover; 1,115 feet east, 1,895 feet north of the southwest corner of section 32, T 13 S., R 46 E.; Border, Idaho USGS quadrangle; 42 degrees, 14 minutes, 48.60 seconds north latitude and 111 degrees, 6 minutes, 28.50 seconds west longitude; UTM 491097 meters E, 4677189 meters N, zone 12 NAD83.

- A—0 to 3 inches; pale brown (10YR 6/3) very gravelly silt loam, brown (10YR 4/3) moist; moderate medium platy structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few fine and common very fine roots; common very fine and fine vesicular and irregular and few medium vesicular pores; carbonate, finely disseminated throughout; 35 percent gravel, 5 percent cobbles, and 1 percent stones; strongly effervescent (35 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); abrupt wavy boundary.
- Bk1—3 to 6 inches; pale brown (10YR 6/3) very gravelly silt loam, brown (10YR 4/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; few fine and common very fine tubular and few fine and common very fine irregular pores; carbonate, finely disseminated throughout; 35 percent gravel and 5 percent cobbles; strongly effervescent (49 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.
- Bk2—6 to 12 inches; yellowish brown (10YR 5/4) very gravelly silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few fine and common very fine roots; few very fine and fine tubular pores; carbonate, finely disseminated throughout and 40 percent carbonate concretions on bottom of rock fragments; 35 percent gravel and 10 percent cobbles; violently effervescent (48 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); 40 percent of rock fragments have undersides coated with lime; clear irregular boundary.
- Bk3—12 to 17 inches; brown (10YR 5/3) extremely gravelly loam, brown (10YR 4/3) moist; weak very fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; few very fine and fine roots; few very fine irregular pores; carbonate, finely disseminated throughout and carbonate concretions around rock fragments; 70 percent gravel and 10 percent cobbles; violently effervescent (55 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); all coarse fragments coated on all sides with lime; abrupt irregular boundary.
- R—17 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 5 to 25 percent cobbles
- 20 to 35 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 35 to 50 percent

Sodium-adsorption ratio: 0 to 5

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Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 35 to 55 percent gravel

Calcium-carbonate equivalent: 40 to 65 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 35 to 75 percent gravel

Calcium-carbonate equivalent: 40 to 65 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

R horizon(s):

Texture: Bedrock

Nielsen Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed slope alluvium and/or colluvium

Slope range: 5 to 40 percent

Elevation: 6,120 to 7,350 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Lithic Argicryolls

Typical Pedon

Nielsen gravelly loam; located in an area of Nielsen-Dranburn-Hagenbarth complex, 5 to 40 percent slopes; in shrub cover; 1,100 feet south, 2,700 feet east of the northwest corner of section 7, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 13 minutes, 27.10 seconds north latitude and 111 degrees, 28 minutes, 35.80 seconds west longitude; UTM 460666 meters E, 4674780 meters N, zone 12 NAD83.

A1—0 to 6 inches; brown (7.5YR 5/2) gravelly loam, dark brown (7.5YR 3/2) moist; moderate very fine and fine granular structure; slightly hard, very friable, slightly

sticky, slightly plastic; common very fine and fine roots; common very fine interstitial pores; 15 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.8); clear wavy boundary.

A2—6 to 12 inches; brown (7.5YR 5/3) very cobbly silt loam, dark brown (7.5YR 3/3) moist; weak medium subangular blocky structure parting to moderate fine and medium granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots around fragments; common very fine and fine tubular and common very fine irregular pores; 15 percent gravel and 40 percent cobbles; noneffervescent; neutral (pH 6.8); clear wavy boundary.

Bt—12 to 18 inches; light brown (7.5YR 6/3) extremely cobbly silty clay loam, brown (7.5YR 4/3) moist; moderate fine subangular blocky structure; hard, firm, moderately sticky, moderately plastic; few very fine and fine roots around fragments; common very fine and fine tubular pores; 5 percent discontinuous distinct clay films on surfaces along pores and 10 percent discontinuous distinct clay films on all faces of peds; 10 percent gravel and 60 percent cobbles; noneffervescent; neutral (pH 7.0); abrupt wavy boundary.

R—18 to 60 inches; indurated quartzite bedrock.

Range in Characteristics

Depth to restrictive feature: 14 to 20 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 22 percent

Content of rock fragments:

- 0 to 7 percent cobbles
- 14 to 32 percent gravel

Reaction: pH 6.2 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 22 percent

Content of rock fragments:

- 15 to 40 percent cobbles
- 15 to 35 percent gravel

Reaction: pH 6.2 to 7.3

Bt horizon(s):

Organic matter content: 0.20 to 0.75 percent

Texture (less than 2 mm): Silty clay loam, clay loam, loam

Clay content: 24 to 35 percent

Content of rock fragments:

- 20 to 60 percent cobbles
- 9 to 30 percent gravel

Reaction: pH 6.2 to 7.3

R horizon(s):

Texture: Bedrock

Niter Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Very low

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Landform: Fan remnants, hillslopes

Parent material: Lacustrine deposits

Slope range: 4 to 25 percent

Elevation: 5,850 to 7,140 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Typic Calcixererts

Typical Pedon

Niter silty clay loam; located in an area of Brifox-Niter complex, 4 to 12 percent slopes; in cropland; 1,025 feet west, 650 feet north of the southeast corner of section 31, T 11 S., R 41 E.; Thatcher, Idaho USGS quadrangle; 42 degrees, 25 minutes, 3.70 seconds north latitude and 111 degrees, 42 minutes, 18.40 seconds west longitude; UTM 441987 meters E, 4696394 meters N, zone 12 NAD83.

A1—0 to 4 inches; grayish brown (2.5Y 5/2) silty clay loam, very dark grayish brown (2.5Y 3/2) moist; weak coarse and very coarse platy structure parting to strong very fine and fine granular; soft, very friable, slightly sticky, slightly plastic; few very fine and fine and common medium roots; many very fine and fine irregular pores; carbonate, finely disseminated throughout; 5 percent gravel; slightly effervescent; moderately alkaline (pH 8.1); abrupt smooth boundary.

A2—4 to 8 inches; grayish brown (2.5Y 5/2) silty clay loam, very dark grayish brown (2.5Y 3/2) moist; 1 percent fine, faint, light olive brown (2.5Y 5/4) mottles; moderate medium and coarse subangular blocky structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few very fine and fine and common medium roots; common very fine and few fine tubular pores; carbonate, finely disseminated throughout; slightly effervescent; moderately alkaline (pH 8.1); abrupt smooth boundary.

Bw—8 to 12 inches; grayish brown (2.5Y 5/2) silty clay loam, very dark grayish brown (2.5Y 3/2) moist; 1 percent fine, prominent, brownish yellow (10YR 6/6) mottles; moderate medium and coarse subangular blocky structure parting to moderate very fine and fine angular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few very fine and fine and common medium roots; common very fine and few fine tubular pores; carbonate, finely disseminated throughout; slightly effervescent; moderately alkaline (pH 7.9); abrupt smooth boundary.

Bss—12 to 19 inches; light brownish gray (2.5Y 6/2) silty clay loam, grayish brown (2.5Y 5/2) moist; 2 percent medium, distinct, olive yellow (2.5Y 6/6) mottles; moderate medium and coarse subangular blocky structure parting to moderate very fine and fine angular blocky; hard, friable, slightly sticky, moderately plastic; few very fine and fine and common medium roots; few very fine tubular pores; 10 percent discontinuous slickensides (pedogenic) on vertical faces of peds; carbonate, finely disseminated throughout; slightly effervescent; moderately alkaline (pH 7.9); clear smooth boundary.

Bkss1—19 to 30 inches; light gray (2.5Y 7/2) silty clay loam, grayish brown (2.5Y 5/2) moist; 2 percent medium, distinct, olive yellow (2.5Y 6/6) mottles; moderate medium and coarse subangular blocky structure parting to moderate fine and medium subangular blocky; hard, friable, slightly sticky, very plastic; few very fine and fine roots; few very fine tubular pores; 10 percent discontinuous slickensides (pedogenic) on vertical faces of peds; common wedge-shaped peds inclined at 20 to 40 degrees; carbonate, finely disseminated throughout, 15 percent fine, threadlike, extremely weakly cemented carbonate masses throughout, and 10

- percent coarse, spherical, moderately cemented insect casts throughout; strongly effervescent; moderately alkaline (pH 8.2); clear smooth boundary.
- Bkss2—30 to 40 inches; pale yellow (5Y 8/2) silty clay, olive (5Y 5/3) moist; 2 percent medium, distinct, olive yellow (2.5Y 6/6) mottles; moderate medium and coarse subangular blocky structure parting to moderate fine and medium angular blocky; slightly hard, very friable, moderately sticky, very plastic; few very fine and fine roots; common very fine tubular pores; 35 percent discontinuous slickensides (pedogenic) on vertical faces of peds; few wedge-shaped peds inclined at 20 to 40 degrees; carbonate, finely disseminated throughout, 25 percent fine and medium threadlike, extremely weakly cemented, carbonate masses throughout, and 10 percent coarse, spherical, moderately cemented, insect casts throughout; violently effervescent; moderately alkaline (pH 8.4); gradual smooth boundary.
- Bkss3—40 to 60 inches; pale yellow (5Y 7/3) silty clay, olive (5Y 5/3) moist; 1 percent fine, prominent, yellowish brown (10YR 5/6) mottles; weak medium prismatic structure parting to moderate fine and medium angular blocky; hard, firm, moderately sticky, very plastic; few very fine roots; few very fine tubular pores; 10 percent discontinuous slickensides (pedogenic) on vertical faces of peds; carbonate, finely disseminated throughout and 1 percent fine, threadlike, extremely weakly cemented, carbonate masses throughout; violently effervescent; moderately alkaline (pH 8.4); few wedge-shaped peds inclined at 20 to 40 degrees.

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 30 to 40 percent
Calcium-carbonate equivalent: 10 to 20 percent
Reaction: pH 7.8 to 8.4

A2 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 30 to 40 percent
Calcium-carbonate equivalent: 10 to 20 percent
Reaction: pH 7.8 to 8.4

Bw horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silty clay, silty clay loam
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 10 to 20 percent
Reaction: pH 7.8 to 8.4

Bss horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Clay, silty clay, silty clay loam
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 10 to 20 percent
Reaction: pH 7.8 to 8.4

Bkss1 horizon(s):

Organic matter content: 0.10 to 0.50 percent
Texture (less than 2 mm): Silty clay loam, clay, silty clay
Clay content: 35 to 60 percent

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Calcium-carbonate equivalent: 20 to 25 percent

Gypsum: 0 to 5 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bkss2 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Silty clay, clay, silty clay loam

Clay content: 35 to 60 percent

Calcium-carbonate equivalent: 20 to 25 percent

Gypsum: 0 to 5 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bkss3 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Silty clay, clay, silty clay loam

Clay content: 35 to 60 percent

Calcium-carbonate equivalent: 20 to 25 percent

Gypsum: 0 to 5 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

North Beach Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Lake terraces

Parent material: Wave worked beach sand

Slope range: 1 to 6 percent

Elevation: 5,930 to 5,940 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Sandy-skeletal over loamy, mixed, superactive, calcareous, frigid
Aquic Xerorthents

Typical Pedon

North Beach extremely cobbly loamy coarse sand; located in an area of North Beach extremely cobbly loamy coarse sand, 1 to 6 percent slopes; in rangeland; 390 feet south, 1,620 feet west of the northwest corner of section 1, T 16 N., R 44 E.; Bear Lake North, Idaho USGS quadrangle; 42 degrees, 3 minutes, 58.10 seconds north latitude and 111 degrees, 15 minutes, 14.30 seconds west longitude; UTM 478987 meters E, 4657151 meters N, zone 12 NAD83.

A—0 to 3 inches; grayish brown (10YR 5/2) extremely cobbly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; single grain; loose, nonsticky, nonplastic; common very fine and fine roots; many very fine and fine interstitial pores; carbonate, finely disseminated; 40 percent gravel and 40 percent cobbles; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

- C—3 to 22 inches; light brownish gray (10YR 6/2) extremely cobbly loamy coarse sand, grayish brown (10YR 5/2) moist; single grain; loose, nonsticky, nonplastic; few very fine roots; many very fine and fine interstitial pores; carbonate, finely disseminated; 25 percent gravel and 60 percent cobbles; violently effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.
- 2Cg1—22 to 41 inches; pale brown (10YR 6/3) very fine sandy loam, brown (10YR 5/3) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; common very fine and fine interstitial pores; 10 percent coarse, faint, irregular, light brownish gray (2.5Y 6/2) iron depletions throughout; carbonate, finely disseminated; 10 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.
- 2Cg2—41 to 50 inches; light gray (10YR 7/2) loamy very fine sand, light brownish gray (10YR 6/2) moist; massive; soft, very friable, nonsticky, nonplastic; common very fine and fine interstitial pores; 10 percent coarse, faint, irregular, gray (2.5Y 6/1) iron depletions throughout; carbonate, finely disseminated and 1 percent fine, shell fragments; 5 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.
- 2Cg3—50 to 60 inches; light gray (2.5Y 7/2) stratified loamy sand to sandy loam, light brownish gray (2.5Y 6/2) moist; massive; soft, very friable, nonsticky, nonplastic; common very fine and fine interstitial pores; carbonate, finely disseminated and 1 percent fine, shell fragments; 5 percent gravel; slightly effervescent; slightly alkaline (pH 7.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, June, December
- Depth: 20 to 30 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loamy coarse sand

Clay content: 1 to 5 percent

Content of rock fragments:

- 30 to 45 percent cobbles
- 25 to 40 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

C horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Loamy coarse sand, coarse sand, sand, loamy sand

Clay content: 1 to 5 percent

Content of rock fragments:

- 20 to 60 percent cobbles
- 22 to 48 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

2Cg1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Very fine sandy loam, loamy very fine sand

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Clay content: 1 to 15 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 1 to 8
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.8

2Cg2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loamy very fine sand, sandy loam
Clay content: 1 to 15 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 5 to 25 percent
Sodium-adsorption ratio: 1 to 8
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.6 to 8.8

2Cg3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sandy loam, loamy sand
Clay content: 1 to 15 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 5 to 25 percent
Sodium-adsorption ratio: 1 to 8
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.6 to 8.8

Nuffer Series

Depth class: Very deep
Drainage class: Somewhat poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Flood plains
Parent material: Mixed gravelly alluvium
Slope range: 0 to 2 percent
Elevation: 5,900 to 6,440 feet
Mean annual precipitation: 13 to 22 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Aquic Calcixerolls

Typical Pedon

Nuffer gravelly loam; located in an area of Nuffer-Blackotter complex, 0 to 2 percent slopes; in rangeland; 1,200 feet east, 700 feet north of the southwest corner of section 23, T 14 S., R 46 E.; Border, Idaho USGS quadrangle; 42 degrees, 11 minutes, 5.40 seconds north latitude and 111 degrees, 2 minutes, 53.20 seconds west longitude; UTM 496028 meters E, 4670298 meters N, zone 12 NAD83.

A—0 to 2 inches; dark grayish brown (10YR 4/2) gravelly loam, very dark brown (10YR 2/2) moist; strong very fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and common fine roots; many very fine irregular pores; 20 percent gravel; noneffervescent; moderately alkaline (pH 8.2); abrupt smooth boundary.

- Ak1—2 to 6 inches; dark grayish brown (10YR 4/2) gravelly sandy loam, very dark grayish brown (10YR 3/2) moist; moderate fine subangular blocky structure parting to strong very fine granular; slightly hard, very friable, nonsticky, nonplastic; common very fine and coarse and few fine roots; many very fine tubular and irregular and few fine tubular and irregular and pores; 1 percent fine, irregular, weakly cemented, lime masses and 1 percent fine, irregular, carbonate threads; 25 percent gravel; very slightly effervescent; moderately alkaline (pH 8.4); clear wavy boundary.
- Ak2—6 to 16 inches; brown (10YR 4/3) gravelly sandy loam, dark brown (10YR 3/3) moist; moderate, fine, subangular blocky structure parting to strong very fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; many very fine and few fine and medium tubular pores; carbonate, finely disseminated and 25 percent fine and medium, irregular, weakly cemented, carbonate threads; 25 percent gravel; strongly effervescent; strongly alkaline (pH 8.6); clear wavy boundary.
- Bk1—16 to 24 inches; brown (10YR 5/3) very gravelly sandy loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; many very fine and few fine and medium tubular pores; carbonate, finely disseminated and 10 percent fine, irregular, weakly cemented, carbonate threads; 45 percent gravel; slightly effervescent; moderately alkaline (pH 8.4); clear wavy boundary.
- Bk2—24 to 33 inches; brown (10YR 5/3) very gravelly loamy sand, brown (10YR 4/3) moist; moderate fine subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; common very fine and few fine roots; common very fine and few fine and medium irregular pores; 40 percent carbonate coats on bottom surfaces of rock fragments; 1 percent fine, prominent, irregular, dark brown (7.5YR 3/3) masses of oxidized iron throughout and 10 percent fine, prominent, irregular, strongly cemented, strong brown (7.5YR 4/6) masses of oxidized iron throughout; carbonate, finely disseminated and 10 percent fine, irregular, weakly cemented, carbonate threads; 45 percent gravel; strongly effervescent; moderately alkaline (pH 8.4); gradual wavy boundary.
- 2Bk3—33 to 46 inches; multicolored extremely gravelly sand; single grain; loose, nonsticky, nonplastic; common very fine and few fine roots; many very fine and few fine and medium irregular pores; 40 percent carbonate coats on bottom surfaces of rock fragments; carbonate, finely disseminated; 70 percent gravel and 10 percent cobbles; strongly effervescent; moderately alkaline (pH 8.3); gradual wavy boundary.
- 2Bk4—46 to 63 inches; multicolored extremely gravelly sand; single grain; loose, nonsticky, nonplastic; few very fine roots; many very fine and few fine and medium irregular pores; 40 percent distinct carbonate coats on bottom surfaces of rock fragments; carbonate, finely disseminated; 75 percent gravel and 10 percent cobbles; slightly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 20 to 30 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

A horizon(s):

Organic matter content: 3 to 5 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 18 percent
Content of rock fragments: 15 to 30 percent gravel
Calcium-carbonate equivalent: 0 to 5 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.6

Ak1 horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Sandy loam
Clay content: 10 to 16 percent
Content of rock fragments: 15 to 30 percent gravel
Calcium-carbonate equivalent: 5 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.6

Ak2 horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Sandy loam
Clay content: 10 to 16 percent
Content of rock fragments: 15 to 30 percent gravel
Calcium-carbonate equivalent: 5 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.6

Bk1 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Sandy loam, loamy sand
Clay content: 10 to 16 percent
Content of rock fragments:

- 0 to 2 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loamy sand, sandy loam
Clay content: 2 to 10 percent
Content of rock fragments:

- 0 to 2 percent cobbles
- 35 to 50 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.9 to 8.4

2Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loamy sand, sand
Clay content: 2 to 10 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 65 to 75 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

2Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand, sand

Clay content: 2 to 10 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 65 to 75 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

Nythar Series

Depth class: Very deep

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains

Parent material: Mixed alluvium

Slope range: 0 to 5 percent

Elevation: 5,910 to 6,480 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Cumulic Endoaquolls

Typical Pedon

Nythar mucky peat; located in an area of Nythar-Sagollow complex, 0 to 5 percent slopes; in rangeland; 1,230 feet east, 2,115 feet north of the southwest corner of section 19, T 12 S., R 43 E.; Ovid, Idaho USGS quadrangle; 42 degrees, 21 minutes, 48.00 seconds north latitude and 111 degrees, 28 minutes, 55.10 seconds west longitude; UTM 460312 meters E, 4690230 meters N, zone 12 NAD83.

Oe—0 to 2 inches; mucky peat.

A—2 to 12 inches; dark grayish brown (10YR 4/2) silt loam, black (10YR 2/1) moist; strong very fine and fine granular structure; slightly hard, friable, moderately sticky, moderately plastic; many very fine and fine and few medium roots; many very fine, fine, and common medium irregular and few very fine tubular pores; 10 percent gravel; noneffervescent; neutral (pH 6.6); gradual wavy boundary.

ABg—12 to 21 inches; dark grayish brown (10YR 4/2) silt loam, black (10YR 2/1) moist; moderate fine subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine and few medium tubular pores; 1 percent fine, faint, irregular, gray (10YR 5/1) iron depletions throughout and 10 percent fine and medium, prominent, irregular, yellowish brown (10YR 5/6) dry, masses of oxidized iron

throughout; 10 percent gravel; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Bg1—21 to 31 inches; gray (10YR 5/1) silty clay loam, very dark gray (2.5Y 3/1) moist; moderate fine subangular blocky structure; very hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine and few medium tubular pores; 10 percent fine and medium, prominent, irregular, yellowish brown (10YR 5/6) dry, masses of oxidized iron throughout; 5 percent gravel; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Bg2—31 to 44 inches; dark gray (N 4/0) silty clay loam, black (N 2.5/) moist; weak coarse prismatic structure and weak medium and coarse subangular blocky; very hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; many very fine and few fine tubular pores; 1 percent fine, prominent, greenish gray (10BG 5/1) moist, iron depletions; 5 percent gravel; noneffervescent; neutral (pH 7.0); clear wavy boundary.

Cg—44 to 62 inches; dark gray (N 4/0) gravelly sandy clay loam, black (N 2.5/) moist; weak coarse and very coarse prismatic structure; hard, firm, moderately sticky, moderately plastic; 1 percent fine, prominent, greenish gray (10BG 5/1) moist, iron depletions; 23 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 7.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, June, December
- Depth: 0 to 10 inches

Flooding:

- Month(s): March, April, May
- Frequency: Rare

Oe horizon(s):

Texture: Mucky peat

A horizon(s):

Organic matter content: 3 to 6 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

ABg horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 24 to 35 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bg1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments: 5 to 21 percent gravel

Reaction: pH 6.6 to 7.3

Bg2 horizon(s):

Organic matter content: 0.25 to 1 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 5 to 23 percent gravel

Reaction: pH 6.6 to 7.3

Cg horizon(s):

Organic matter content: 0.20 to 1 percent

Texture (less than 2 mm): Clay loam, silty clay loam, silt loam, sandy clay loam

Clay content: 22 to 35 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 20 to 40 percent gravel

Reaction: pH 6.6 to 7.3

Ovidcreek Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Stream terraces

Parent material: Silty alluvium and/or lacustrine deposits

Slope range: 0 to 2 percent

Elevation: 5,920 to 6,070 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Aquic Natrixerolls

Typical Pedon

Ovidcreek silt loam; located in an area of Ovidcreek silt loam, 0 to 2 percent slopes; in shrub cover; 500 feet west, 50 feet north of the southeast corner of section 25, T 13 S., R 43 E.; Montpelier, Idaho USGS quadrangle; 42 degrees, 15 minutes, 22.90 seconds north latitude and 111 degrees, 22 minutes, 7.20 seconds west longitude; UTM 469592 meters E, 4678305 meters N, zone 12 NAD83.

A1—0 to 2 inches; gray (10YR 5/1) silt loam, black (10YR 2/1) moist; strong medium and thick platy structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few fine and many very fine roots; many very fine irregular and few very fine and fine tubular pores; carbonate, finely disseminated; strongly effervescent (15 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); abrupt smooth boundary.

A2—2 to 5 inches; dark gray (10YR 4/1) broken silt loam, black (10YR 2/1) broken and very dark gray (10YR 3/1) crushed moist; weak fine and medium subangular blocky structure parting to moderate very fine and fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine, fine, and medium roots; many very fine irregular and common very fine tubular pores; carbonate, finely disseminated; strongly effervescent (25 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt smooth boundary.

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- Btkn1—5 to 11 inches; gray (10YR 5/1) broken, silty clay loam, black (N 2/), and very dark gray (10YR 3/1) moist; moderate medium prismatic structure parting to strong very fine and fine subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; common very fine, fine, and medium roots; many very fine tubular pores; 35 percent distinct clay films on faces of peds and in pores; carbonate, finely disseminated and 10 percent fine and medium, irregular, weakly cemented lime masses; strongly effervescent (15 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.
- Btkn2—11 to 17 inches; gray (10YR 6/1) broken, silty clay loam, black (N 2/) broken, and dark gray (10YR 4/1) crushed, moist; strong medium columnar structure parting to strong medium and coarse subangular blocky; hard, very friable, moderately sticky, moderately plastic; common very fine, fine, and medium roots; many very fine and few fine tubular pores; 25 percent distinct clay films on faces of peds and in pores; carbonate, finely disseminated and 10 percent medium and coarse irregular weakly cemented lime masses; strongly effervescent (15 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); clear wavy boundary.
- Bkn—17 to 24 inches; light gray (10YR 7/1) broken silt loam, grayish brown (2.5Y 5/2) crushed, moist; weak coarse prismatic structure parting to strong very fine and fine subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; many very fine and few fine tubular pores; carbonate, finely disseminated; violently effervescent (35 percent calcium-carbonate equivalent); very strongly alkaline (pH 9.4); abrupt smooth boundary.
- B'tkn—24 to 38 inches; gray (10YR 6/1) broken, silty clay loam, 60 percent gray (10YR 5/1) broken and 40 percent very dark gray (10YR 3/1) broken, moist; weak thick and very thick platy structure parting to moderate medium and coarse subangular blocky; hard, very friable, moderately sticky, moderately plastic; common very fine roots; many very fine and few fine tubular pores; 70 percent distinct clay films on faces of peds and in pores; carbonate, finely disseminated; 1 percent shell fragments; strongly effervescent (45 percent calcium-carbonate equivalent); very strongly alkaline (pH 9.2); abrupt smooth boundary.
- B'kn1—38 to 61 inches; light gray (10YR 7/2) broken, silt loam, brown (10YR 5/3) crushed, moist; massive; hard, friable, moderately sticky, moderately plastic; few very fine and fine roots; many very fine and common fine and medium tubular pores; 25 percent fine and medium, prominent, irregular, light brownish gray (2.5Y 6/2) moist, reduced matrix and 30 percent fine and medium, prominent, irregular, brown (7.5YR 5/4) moist, masses of oxidized iron throughout; carbonate, finely disseminated; strongly effervescent (45 percent calcium-carbonate equivalent); strongly alkaline (pH 9.0); clear wavy boundary.
- B'kn2—61 to 67 inches; very pale brown (10YR 7/3) broken, very fine sandy loam, brown (10YR 5/3) crushed, moist; massive; hard, friable, nonsticky, nonplastic; few very fine and fine roots; many very fine and few fine tubular pores; 1 percent fine prominent irregular black (N 2/) moist, manganese masses and 25 percent fine and medium, prominent, irregular, light brownish gray (2.5Y 6/2) moist, reduced matrix and 30 percent fine and medium, prominent, irregular, brown (7.5YR 4/2) moist, masses of oxidized iron throughout; carbonate, finely disseminated and 1 percent fine, black (N 2/) manganese concretions and 1 percent fine, irregular, weakly cemented carbonate threads; strongly effervescent (29 percent calcium-carbonate equivalent); strongly alkaline (pH 8.9).

Range in Characteristics

Depth to restrictive feature: 2 to 13 inches to natric

Water Features

Seasonal high water table:

- Month(s): March, April, May, June, July
- Depth: 30 to 40 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Calcium-carbonate equivalent: 5 to 25 percent
Sodium-adsorption ratio: 1 to 7
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

A2 horizon(s):

Organic matter content: 2 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Calcium-carbonate equivalent: 5 to 25 percent
Sodium-adsorption ratio: 1 to 10
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

Btkn1 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 30 to 35 percent
Calcium-carbonate equivalent: 5 to 25 percent
Sodium-adsorption ratio: 15 to 25
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.5

Btkn2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 30 to 35 percent
Calcium-carbonate equivalent: 10 to 30 percent
Sodium-adsorption ratio: 15 to 30
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 7.9 to 8.6

Bkn horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 15 to 28 percent
Calcium-carbonate equivalent: 25 to 45 percent
Sodium-adsorption ratio: 10 to 30
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 8.6 to 9.6

B'tkn horizon(s):

Organic matter content: 0.25 to 1 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 30 to 38 percent
Calcium-carbonate equivalent: 20 to 45 percent
Sodium-adsorption ratio: 10 to 50

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Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 8.6 to 9.6

B'kn1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 15 to 30 percent

Calcium-carbonate equivalent: 25 to 45 percent

Sodium-adsorption ratio: 10 to 50

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 8.6 to 9.6

B'kn2 horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Very fine sandy loam, silt loam

Clay content: 3 to 15 percent

Calcium-carbonate equivalent: 25 to 45 percent

Sodium-adsorption ratio: 1 to 10

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.6 to 9.6

Parding Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Loess influenced slope alluvium and/or colluvium derived from limestone

Slope range: 5 to 40 percent

Elevation: 6,180 to 7,650 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Coarse-loamy, mixed, superactive Calcic Haplocryolls

Typical Pedon

Parding silt loam; located in an area of Parding-Firading-Hagenbarth complex, 5 to 40 percent slopes; in shrub cover; 1,970 feet north, 2,360 feet west of the southeast corner of section 9, T 13 S., R 45 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 18 minutes, 18.40 seconds north latitude and 111 degrees, 11 minutes, 54.40 seconds west longitude; UTM 483644 meters E, 4683671 meters N, zone 12 NAD83.

A—0 to 5 inches; brown (7.5YR 4/4) silt loam, dark brown (7.5YR 3/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, medium, and coarse roots; many very fine and fine interstitial pores; noneffervescent; slightly alkaline (pH 7.7); clear smooth boundary.

Bw—5 to 14 inches; brown (7.5YR 4/4) silt loam, dark reddish brown (5YR 3/3) moist; weak medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine, fine, and medium roots; many very fine and fine interstitial pores; noneffervescent; slightly alkaline (pH 7.7); clear wavy boundary.

Bk1—14 to 22 inches; reddish brown (5YR 5/4) loam, reddish brown (5YR 4/4) moist; strong fine subangular blocky structure; slightly hard, firm, slightly sticky,

slightly plastic; many very fine and fine and common medium roots; many very fine interstitial and tubular pores; carbonate, finely disseminated and 10 percent fine lime masses; 10 percent gravel; violently effervescent (14 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt wavy boundary.

Bk2—22 to 27 inches; light gray (10YR 7/2) gravelly loam, pale brown (10YR 6/3) moist; weak medium platy structure and moderate medium subangular blocky; hard, firm, slightly sticky, slightly plastic; common very fine and fine roots; many very fine interstitial pores; carbonate, finely disseminated and 10 percent medium lime masses; 15 percent gravel; violently effervescent (37 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

Bk3—27 to 36 inches; pink (5YR 7/3) loam, reddish brown (5YR 5/4) moist; strong medium angular blocky structure; hard, firm, slightly sticky, slightly plastic; common very fine and fine roots; common very fine interstitial and tubular pores; carbonate, finely disseminated and 10 percent fine and medium lime masses; 5 percent gravel; violently effervescent (31 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); abrupt wavy boundary.

Bk4—36 to 48 inches; pink (5YR 7/3) sandy loam, yellowish red (5YR 5/6) moist; strong medium angular blocky structure; very hard, firm, nonsticky, nonplastic; few very fine and fine roots; common very fine interstitial and tubular pores; carbonate, finely disseminated and 10 percent fine lime masses; violently effervescent (31 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); abrupt wavy boundary.

Bk5—48 to 60 inches; white (10YR 8/1) gravelly sandy loam, pale brown (10YR 6/3) moist; strong medium platy structure; hard, firm, nonsticky, nonplastic; few very fine and fine roots; few fine interstitial pores; carbonate, finely disseminated and 10 percent lime masses; 15 percent gravel; violently effervescent; strongly alkaline (pH 8.6).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Content of rock fragments: 0 to 6 percent gravel

Reaction: pH 7.4 to 7.8

Bw horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 7.4 to 7.8

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam

Clay content: 8 to 18 percent

Content of rock fragments: 0 to 15 percent gravel

Calcium-carbonate equivalent: 20 to 35 percent

Reaction: pH 7.9 to 8.5

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam

Clay content: 8 to 18 percent

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Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 20 to 47 percent
Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam, sandy loam
Clay content: 8 to 18 percent
Content of rock fragments: 0 to 19 percent gravel
Calcium-carbonate equivalent: 20 to 47 percent
Sodium-adsorption ratio: 0 to 6
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.7

Bk4 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sandy loam, loam
Clay content: 8 to 18 percent
Content of rock fragments: 0 to 18 percent gravel
Calcium-carbonate equivalent: 20 to 47 percent
Sodium-adsorption ratio: 0 to 6
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.7

Bk5 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sandy loam, loam
Clay content: 8 to 18 percent
Content of rock fragments: 0 to 20 percent gravel
Calcium-carbonate equivalent: 20 to 45 percent
Reaction: pH 7.9 to 8.6

Pavohroo Series

Depth class: Very deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Mixed slope alluvium and/or colluvium
Slope range: 10 to 55 percent
Elevation: 6,040 to 7,230 feet
Mean annual precipitation: 18 to 24 inches
Mean annual air temperature: 36 to 39 degrees F
Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Haplocryolls

Typical Pedon

Pavohroo loam; located in an area of Dranburn-Pavohroo complex, 10 to 55 percent slopes; in forestland; about 115 feet west, 2,520 feet north of the southeast corner of section 4, T 11 S., R 44 E.; Georgetown, Idaho USGS quadrangle; 42 degrees, 29 minutes, 42.10 seconds north latitude and 111 degrees, 18 minutes, 31.80 seconds west longitude; UTM 474623 meters E, 4704786 meters N, zone 12 NAD83.

- Oi—0 to 1 inches; slightly decomposed plant material; abrupt wavy boundary.
- A1—1 to 5 inches; brown (10YR 4/3) loam, very dark brown (10YR 2/2) moist; moderate very fine granular structure; loose, very friable, slightly sticky, slightly plastic; many fine roots; many very fine irregular and common very fine tubular pores; noneffervescent; neutral (pH 7.2); clear smooth boundary.
- A2—5 to 12 inches; brown (10YR 4/3) gravelly loam, very dark brown (10YR 2/2) moist; moderate very fine granular structure; loose, very friable, slightly sticky, slightly plastic; many very fine roots; many very fine irregular and common fine tubular pores; 20 percent gravel, 3 percent cobbles, and 3 percent stones; noneffervescent; neutral (pH 7.2); clear smooth boundary.
- A3—12 to 17 inches; brown (10YR 4/3) gravelly loam, very dark brown (10YR 2/2) moist; weak medium subangular blocky structure parting to moderate fine granular; soft, very friable, slightly sticky, slightly plastic; many fine and few medium roots; common fine tubular pores; 20 percent gravel, 3 percent cobbles, and 3 percent stones; noneffervescent; neutral (pH 7.2); clear smooth boundary.
- AB—17 to 24 inches; brown (10YR 4/3) gravelly loam, very dark brown (10YR 2/2) moist; moderate fine subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many fine roots; few fine tubular pores; 15 percent gravel, 3 percent cobbles, and 3 percent stones; noneffervescent; neutral (pH 7.0); clear smooth boundary.
- Bw1—24 to 32 inches; brown (10YR 4/3) gravelly clay loam, dark brown (10YR 3/3) moist; moderate coarse subangular blocky structure parting to moderate fine subangular blocky; slightly hard, friable, moderately sticky, moderately plastic; few very fine roots; few very fine tubular pores; 15 percent gravel, 3 percent cobbles, and 3 percent stones; noneffervescent; neutral (pH 7.0); gradual wavy boundary.
- Bw2—32 to 41 inches; brown (10YR 4/3) gravelly clay loam, dark brown (10YR 3/3) moist; moderate coarse subangular blocky structure parting to moderate fine subangular blocky; slightly hard, firm, moderately sticky, moderately plastic; few very fine roots; few very fine tubular pores; 20 percent gravel, 3 percent cobbles, and 3 percent stones; noneffervescent; neutral (pH 7.0); gradual wavy boundary.
- Bk—41 to 60 inches; brown (10YR 5/3) gravelly loam, dark yellowish brown (10YR 3/4) moist; moderate coarse subangular blocky structure parting to moderate very fine subangular blocky; hard, very firm, slightly sticky, slightly plastic; few very fine roots; few very fine tubular pores; carbonate, finely disseminated; 20 percent gravel, 3 percent cobbles, and 3 percent stones; slightly effervescent; slightly alkaline (pH 7.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Oi horizon(s):

Texture: Slightly decomposed plant material

A1 horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 24 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 2 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.5 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam, silt loam, clay loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.5 to 7.3

A3 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Clay loam, silt loam, loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.5 to 7.3

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, silt loam, clay loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.5 to 7.3

Bw1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Clay loam, silt loam, loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.5 to 7.3

Bw2 horizon(s):

Organic matter content: 0.25 to 1 percent

Texture (less than 2 mm): Silt loam, loam, clay loam

Clay content: 18 to 32 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.5 to 7.3

Bk horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Loam, clay loam, silt loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 10 percent cobbles
- 10 to 20 percent gravel

Calcium-carbonate equivalent: 1 to 15 percent

Reaction: pH 7.4 to 8.2

Pegram Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Fan remnants

Parent material: Loess influenced mixed alluvium over gravelly alluvium

Slope range: 1 to 4 percent

Elevation: 5,880 to 7,050 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Pegram silt loam; located in an area of Pegram silt loam, 1 to 4 percent slopes; in rangeland; 1,800 feet east, 800 feet north of the southwest corner of section 13, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 6 minutes, 46.10 seconds north latitude and 111 degrees, 8 minutes, 36.90 seconds west longitude; UTM 488130 meters E, 4662311 meters N, zone 12 NAD83.

A—0 to 6 inches; brown (7.5YR 5/2) silt loam, dark brown (7.5YR 3/2) moist; moderate medium granular structure; slightly hard, friable, slightly sticky, slightly plastic; common fine and medium roots; many very fine and fine tubular pores; noneffervescent; neutral (pH 7.0); gradual smooth boundary.

BA—6 to 14 inches; brown (7.5YR 5/2) silty clay loam, dark brown (7.5YR 3/2) moist; weak fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; common fine and medium roots; many very fine and fine tubular pores; noneffervescent; slightly alkaline (pH 7.8); gradual smooth boundary.

Bt—14 to 21 inches; reddish brown (5YR 5/3) silty clay loam, brown (7.5YR 4/2) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common fine and medium roots; many very fine and fine tubular pores; 10 percent faint clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; slightly alkaline (pH 7.8); gradual smooth boundary.

Btk1—21 to 28 inches; reddish brown (5YR 5/3) gravelly silty clay loam, reddish brown (5YR 4/3) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common fine and medium roots; many very fine and fine tubular pores; carbonate coats on bottom surfaces of rock fragments and 10 percent faint clay films on faces of peds and in pores; 20 percent gravel; noneffervescent; moderately alkaline (pH 8.0); gradual wavy boundary.

Btk2—28 to 39 inches; light reddish brown (5YR 6/3) very gravelly silty clay loam, reddish brown (5YR 4/3) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common fine and medium roots; many very fine and fine tubular pores; 10 percent faint clay films on faces of peds and in pores; 35 percent gravel; strongly effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.

2Bk1—39 to 50 inches; brown (7.5YR 4/4) extremely gravelly clay loam, brown (7.5YR 4/4) moist; massive; very hard, very firm, moderately sticky, moderately plastic; common very fine and fine roots; many very fine and fine tubular pores; 90 percent gravel; strongly effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.

3Bk2—50 to 61 inches; brown (7.5YR 4/4) extremely gravelly sandy loam, brown (7.5YR 4/4) moist; single grain; soft, loose, nonsticky, nonplastic; many very fine irregular pores; 90 percent gravel; strongly effervescent; moderately alkaline (pH 8.3).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.8 to 7.4

BA horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 24 to 31 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 7.4 to 7.8

Bt horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 10 to 23 percent gravel

Reaction: pH 7.4 to 7.8

Btk1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 10 to 28 percent gravel

Calcium-carbonate equivalent: 2 to 5 percent

Reaction: pH 7.6 to 8.0

Btk2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 28 to 35 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 35 to 55 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent

Reaction: pH 7.7 to 8.4

2Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, clay loam

Clay content: 18 to 28 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 55 to 90 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

3Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loamy sand, sandy loam

Clay content: 2 to 12 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 55 to 90 percent gravel

Calcium-carbonate equivalent: 5 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Pinegap Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed colluvium over residuum weathered from limestone

Slope range: 35 to 65 percent

Elevation: 5,900 to 7,040 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Typic Calcixerepts

Typical Pedon

Pinegap very gravelly loam; located in an area of Pinegap-Lonjon complex, 35 to 65 percent slopes; in shrub cover; 2,010 feet south, 360 feet east of the northwest corner of section 13, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 7 minutes, 10.00 seconds north latitude and 111 degrees, 8 minutes, 55.80 seconds west longitude; UTM 487697 meters E, 4663050 meters N, zone 12 NAD83.

A—0 to 2 inches; light brownish gray (10YR 6/2) very gravelly loam, dark grayish brown (10YR 4/2) moist; moderate medium platy structure parting to moderate fine granular; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; common very fine vesicular pores; 50 percent gravel; noneffervescent; slightly alkaline (pH 7.8); abrupt smooth boundary.

Bw—2 to 6 inches; pale brown (10YR 6/3) gravelly loam, brown (10YR 4/3) moist; weak fine subangular blocky structure parting to fine granular; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; common very fine and fine interstitial and tubular pores; carbonate, finely disseminated throughout; 25 percent gravel; strongly effervescent (24 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt wavy boundary.

- Bk1—6 to 15 inches; pale brown (10YR 6/3) very gravelly loam, brown (10YR 5/3) moist; weak fine subangular blocky structure; slightly hard, very friable, slightly sticky, nonplastic; common very fine and fine roots; common very fine interstitial and tubular pores; carbonate, finely disseminated and 10 percent fine, very weakly cemented carbonate threads; 40 percent gravel; strongly effervescent (23 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.
- Bk2—15 to 25 inches; very pale brown (10YR 7/3) gravelly clay loam, pale brown (10YR 6/3) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; few very fine roots; common very fine and fine interstitial and tubular pores; carbonate, finely disseminated and 25 percent fine threadlike very weakly cemented carbonate threads; 30 percent gravel; violently effervescent (15 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.
- 2Btk—25 to 50 inches; light brown (7.5YR 6/4) gravelly loam, brown (7.5YR 5/4) moist; moderate fine and medium subangular blocky structure; hard, friable, slightly sticky, slightly plastic; few very fine roots; many very fine and fine interstitial and tubular pores; 10 percent faint clay films on faces of peds; 15 percent fine threadlike, very weakly cemented, pinkish white (7.5YR 8/2) dry, lime masses and very dark brown (7.5YR 2/2) moist, carbonate, finely disseminated; 15 percent gravel and 5 percent stones; violently effervescent (19 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.
- 2Bk—50 to 55 inches; very pale brown (10YR 7/3) very cobbly fine sandy loam, pale brown (10YR 6/3) moist; massive; slightly hard, very friable; many very fine interstitial pores; 19 percent carbonate, finely disseminated; 20 percent gravel and 20 percent cobbles; violently effervescent (19 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.
- 2R—55 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments: 35 to 55 percent gravel
Calcium-carbonate equivalent: 0 to 5 percent
Reaction: pH 7.4 to 7.8

Bw horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Loam, sandy loam
Clay content: 14 to 20 percent
Content of rock fragments:

- 0 to 2 percent cobbles
- 15 to 30 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent
Reaction: pH 7.8 to 8.2

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Loam, clay loam
Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 2 percent stones
 - 0 to 3 percent cobbles
 - 25 to 40 percent gravel
- Calcium-carbonate equivalent:* 25 to 40 percent
Reaction: pH 7.9 to 8.5

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Loam, clay loam
Clay content: 18 to 30 percent
Content of rock fragments:

- 0 to 3 percent stones
- 0 to 5 percent cobbles
- 25 to 39 percent gravel

Calcium-carbonate equivalent: 25 to 40 percent
Reaction: pH 7.9 to 8.5

2Btk horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam
Clay content: 15 to 25 percent
Content of rock fragments:

- 0 to 7 percent stones
- 10 to 25 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.5

2Bk horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Fine sandy loam, loam
Clay content: 15 to 25 percent
Content of rock fragments:

- 0 to 7 percent stones
- 15 to 25 percent cobbles
- 10 to 25 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.5

2R horizon(s):

Texture: Bedrock

Pinehollow Series

Depth class: Moderately deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes
Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone
Slope range: 2 to 45 percent
Elevation: 6,310 to 7,270 feet
Mean annual precipitation: 13 to 22 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Pinehollow very cobbly silt loam; located in an area of Pinehollow-Ant Flat-Sheep Creek complex, 2 to 35 percent slopes; in shrub cover; 1,100 feet south, 1,500 feet east of the northwest corner of section 21, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 6 minutes, 27.90 seconds north latitude and 111 degrees, 12 minutes, 12.30 seconds west longitude; UTM 483183 meters E, 4661759 meters N, zone 12 NAD83.

A1—0 to 2 inches; brown (7.5YR 5/3) very cobbly silt loam, dark brown (7.5YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, nonplastic; many very fine, fine, and medium roots; many very fine and fine interstitial pores; 20 percent gravel and 15 percent cobbles; noneffervescent; slightly acid (pH 6.3); clear wavy boundary.

A2—2 to 7 inches; reddish brown (5YR 5/3) very cobbly silt loam, dark reddish brown (5YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine, fine, and medium roots; many very fine and fine interstitial pores; 10 percent gravel and 30 percent cobbles; noneffervescent; slightly acid (pH 6.5); clear wavy boundary.

Bt1—7 to 16 inches; reddish brown (2.5YR 5/4) cobbly loam, reddish brown (2.5YR 4/4) moist; strong fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many fine interstitial and common very fine tubular pores; 35 percent discontinuous faint clay films on faces of peds; 10 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Bt2—16 to 22 inches; reddish brown (2.5YR 5/4) gravelly loam, dark reddish brown (2.5YR 3/4) moist; strong coarse subangular blocky structure; moderately hard, firm, moderately sticky, moderately plastic; common very fine roots; common very fine and fine interstitial pores; 35 percent discontinuous faint clay films on faces of peds; 20 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.9); clear wavy boundary.

Btk—22 to 26 inches; reddish brown (2.5YR 5/4) very gravelly loam, dark reddish brown (2.5YR 3/4) moist; strong coarse subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; 10 percent patchy faint clay films on faces of peds; carbonate, finely disseminated and 1 percent fine carbonate masses; 30 percent gravel and 10 percent cobbles; strongly effervescent (10 percent calcium-carbonate equivalent); moderately alkaline (pH 7.9); abrupt wavy boundary.

R—26 to 60 inches; indurated red sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 23 percent

Content of rock fragments:

- 15 to 30 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 5.9 to 7.0

A2 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 18 to 25 percent

Content of rock fragments:

- 5 to 30 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 5.9 to 7.0

Bt1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, clay loam, silt loam

Clay content: 25 to 34 percent

Content of rock fragments:

- 0 to 15 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.0

Bt2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Loam, clay loam, silt loam

Clay content: 25 to 34 percent

Content of rock fragments:

- 0 to 15 percent cobbles
- 5 to 20 percent gravel

Reaction: pH 6.1 to 7.2

Btk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, clay loam, silt loam

Clay content: 23 to 30 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 10 to 30 percent gravel

Calcium-carbonate equivalent: 3 to 15 percent

Reaction: pH 7.8 to 8.2

R horizon(s):

Texture: Bedrock

Pontuge Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Gravelly colluvium derived from sandstone and/or conglomerate

Slope range: 10 to 40 percent

Elevation: 5,920 to 7,700 feet

Mean annual precipitation: 15 to 22 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Pachic Argicryolls

Typical Pedon

Pontuge silt loam; located in an area of Pontuge-Cokeville complex, 10 to 35 percent slopes; in shrub cover; 2,600 feet south, 1,850 feet east of the northwest corner of section 27, T 15 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 5 minutes, 22.50 seconds north latitude and 111 degrees, 3 minutes, 57.50 seconds west longitude; UTM 494545 meters E, 4659726 meters N, zone 12 NAD83.

A—0 to 3 inches; very dark grayish brown (10YR 3/2) silt loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; common fine, medium, and coarse roots; common very fine interstitial pores; 10 percent gravel; noneffervescent; neutral (pH 6.8); abrupt smooth boundary.

AB—3 to 10 inches; dark grayish brown (10YR 4/2) gravelly silt loam, very dark brown (10YR 2/2) moist; weak fine and medium subangular blocky structure; soft, very friable, slightly sticky, moderately plastic; common very fine, fine, and medium roots; common very fine interstitial and tubular pores; 20 percent gravel; noneffervescent; neutral (pH 6.8); clear wavy boundary.

Bt1—10 to 17 inches; brown (7.5YR 4/2) gravelly silt loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 20 percent gravel; noneffervescent; neutral (pH 7.0); clear wavy boundary.

Bt2—17 to 21 inches; brown (7.5YR 5/4) gravelly loam, brown (7.5YR 4/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 20 percent gravel; noneffervescent; neutral (pH 7.2); abrupt wavy boundary.

Btk—21 to 24 inches; light brown (7.5YR 6/4) gravelly loam, brown (7.5YR 5/4) moist; moderate fine subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; common very fine and fine roots; common very fine and fine tubular pores; 25 percent gravel; strongly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.

Bk1—24 to 27 inches; pink (7.5YR 7/4) gravelly sandy loam, light brown (7.5YR 6/4) moist; moderate medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; common very fine and fine roots; common very fine and fine tubular pores; 25 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Bk2—27 to 42 inches; pinkish white (7.5YR 8/2) extremely gravelly sandy loam, pinkish gray (7.5YR 7/2) moist; weak coarse subangular blocky structure; very hard, firm, nonsticky, nonplastic; common very fine and fine roots; common very fine and fine tubular pores; 1 percent fine, irregular, carbonate masses and 3 percent medium, platy, carbonate nodules; 45 percent gravel and 15 percent cobbles; violently effervescent; moderately alkaline (pH 8.2); clear wavy boundary.

BCk1—42 to 52 inches; pink (7.5YR 8/4) extremely gravelly loamy sand, pink (7.5YR 7/4) moist; weak coarse subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; common very fine tubular pores; 3 percent medium and coarse irregular carbonate masses; 65 percent gravel and 10 percent cobbles; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

BCk2—52 to 60 inches; light brown (7.5YR 6/4) gravelly loamy sand, brown (7.5YR 5/4) moist; single grain; loose, nonsticky, nonplastic; common very fine interstitial pores; 2 percent fine irregular carbonate masses and 2 percent fine irregular carbonate threads; 20 percent gravel; strongly effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 22 percent

Content of rock fragments: 1 to 15 percent gravel

Reaction: pH 6.4 to 7.3

AB horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 22 percent

Content of rock fragments: 5 to 25 percent gravel

Reaction: pH 6.5 to 7.3

Bt1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, loam, silt loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 15 to 30 percent gravel

Reaction: pH 6.6 to 7.5

Bt2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, clay loam, silt loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 15 to 30 percent gravel

Reaction: pH 6.6 to 7.5

Btk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 25 to 40 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Reaction: pH 7.6 to 8.2

Bk horizon(s):

Organic matter content: 0 to 0.45 percent

Texture (less than 2 mm): Sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 25 to 65 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Reaction: pH 8.0 to 8.5

BCK horizon(s):

Organic matter content: 0 to 0.00 percent

Texture (less than 2 mm): Loamy sand, sandy loam

Clay content: 3 to 13 percent

Content of rock fragments:

- 0 to 10 percent cobbles
- 34 to 65 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Reaction: pH 7.9 to 8.5

Poulridge Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Loess influenced slope alluvium and/or colluvium over weakly cemented volcanic ash

Slope range: 5 to 45 percent

Elevation: 6,010 to 7,120 feet

Mean annual precipitation: 17 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 55 to 70 days

Taxonomic class: Fine-loamy over sandy or sandy-skeletal, mixed, superactive Xeric Argicryolls

Typical Pedon

Poulridge silt loam; located in an area of Dranburn-Poulridge complex, 5 to 45 percent slopes; in forestland; 1,600 feet north, 200 feet west of the southeast corner of section 5, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 20.00 seconds north latitude and 111 degrees, 26 minutes, 46.80 seconds west longitude; UTM 463272 meters E, 4694902 meters N, zone 12 NAD83.

Oi—0 to 3 inches; slightly decomposed plant material.

A1—3 to 8 inches; dark gray (10YR 4/1) silt loam, very dark gray (10YR 3/1) moist; weak fine angular blocky structure parting to moderate fine granular; slightly hard, very friable, nonsticky, nonplastic; many very fine and fine and common medium roots; many very fine and fine irregular and few fine tubular pores; noneffervescent; neutral (pH 6.6); clear wavy boundary.

A2—8 to 15 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; strong fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine, fine, and medium roots; common very fine and fine tubular and irregular pores; noneffervescent; neutral (pH 6.6); gradual wavy boundary.

Bt—15 to 31 inches; brown (10YR 5/3) clay loam, dark grayish brown (10YR 4/2) moist; strong medium subangular blocky structure; moderately hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; many very fine irregular and few medium tubular pores; 25 percent discontinuous, distinct, dark brown (10YR 3/3), moist, clay films on surfaces along pores and 35 percent discontinuous distinct dark brown (10YR 3/3), moist, clay films on all faces of peds; noneffervescent; slightly acid (pH 6.4); clear wavy boundary.

2C—31 to 37 inches; light reddish brown (2.5YR 6/3) paragravelly loamy very fine sand, brown (10YR 5/3) moist; single grain; loose, nonsticky, nonplastic; few very fine and fine roots; many very fine interstitial pores; 25 percent paragravel; noneffervescent; neutral (pH 7.2); abrupt wavy boundary.

2Cr—37 to 60 inches; light reddish gray (2.5YR 7/1) cemented loamy very fine sand, reddish brown (2.5YR 5/3) moist.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Oi horizon(s):

Texture: Slightly decomposed plant material

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 25 percent

Content of rock fragments:

- 1 to 14 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.4 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 25 percent

Content of rock fragments:

- 1 to 14 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.4 to 7.3

Bt horizon(s):

Organic matter content: 0.25 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 28 to 35 percent

Content of rock fragments:

- 1 to 14 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.4 to 7.3

2C horizon(s):

Organic matter content: 0.15 to 0.50 percent

Texture (less than 2 mm): Loamy very fine sand

Clay content: 5 to 15 percent

Content of rock fragments: 10 to 50 percent parafragments

Calcium-carbonate equivalent: 0 to 5 percent

Reaction: pH 6.6 to 7.6

2Cr horizon(s):

Texture: Bedrock

Preuss Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from calcareous siltstone

Slope range: 5 to 50 percent

Elevation: 6,040 to 7,450 feet

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Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, carbonatic, frigid Typic Calcixerepts

Typical Pedon

Preuss gravelly silt loam; located in an area of Every-Preuss complex, 5 to 25 percent slopes; in shrub cover; 1,400 feet south, 2,700 feet west of the northeast corner of section 18, T 14 S., R 46 E.; Border, Idaho USGS quadrangle; 42 degrees, 12 minutes, 31.20 seconds north latitude and 111 degrees, 7 minutes, 16.80 seconds west longitude; UTM 489984 meters E, 4672952 meters N, zone 12 NAD83.

A—0 to 2 inches; pale red (2.5YR 7/2) gravelly silt loam, pale brown (10YR 6/3) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and common medium roots; common very fine and fine irregular pores; carbonate, finely disseminated; 30 percent gravel; violently effervescent (33 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt wavy boundary.

Bw—2 to 13 inches; very pale brown (10YR 7/3) very gravelly loam, pale brown (10YR 6/3) moist; moderate fine subangular blocky structure; slightly hard, friable, slightly sticky, nonplastic; common very fine, fine, and medium roots; common very fine irregular and few very fine tubular pores; carbonate, finely disseminated; 50 percent gravel; violently effervescent (32 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.

Bk—13 to 22 inches; pale red (2.5YR 7/2) very gravelly loam, grayish brown (2.5Y 5/2) moist; weak fine subangular blocky structure; slightly hard, friable, slightly sticky, nonplastic; few very fine and fine roots; common very fine and fine irregular pores; carbonate, finely disseminated and 10 percent fine, irregular, weakly cemented, lime masses; 55 percent gravel; violently effervescent (35 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear smooth boundary.

Cr—22 to 60 inches; very strongly cemented limestone bedrock, fractured at intervals of <4 inches.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments: 15 to 35 percent gravel

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 3

Reaction: pH 7.6 to 8.2

Bw horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 20 percent

Content of rock fragments: 25 to 55 percent gravel

Calcium-carbonate equivalent: 25 to 45 percent

Sodium-adsorption ratio: 0 to 8

Reaction: pH 7.6 to 8.2

Bk horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam
Clay content: 18 to 24 percent
Content of rock fragments: 35 to 65 percent gravel
Calcium-carbonate equivalent: 40 to 50 percent
Sodium-adsorption ratio: 0 to 8
Reaction: pH 7.8 to 8.4

Cr horizon(s):

Texture: Bedrock

Preussrange Series

Depth class: Moderately deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from calcareous siltstone
Slope range: 12 to 60 percent
Elevation: 6,330 to 7,840 feet
Mean annual precipitation: 16 to 22 inches
Mean annual air temperature: 37 to 41 degrees F
Frost-free period: 65 to 75 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Haploxeralfs

Typical Pedon

Preussrange channery silt loam; located in an area of Preussrange-Halfcircle complex, 12 to 60 percent slopes; in shrub cover; 3,085 feet west, 960 feet south of the northeast corner of section 31, T 12 S., R 46 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 20 minutes, 29.30 seconds north latitude and 111 degrees, 7 minutes, 30.40 seconds west longitude; UTM 489693 meters E, 4687697 meters N, zone 12 NAD83.

- A1—0 to 2 inches; light brownish gray (2.5Y 6/2) channery silt loam, grayish brown (2.5Y 5/2) moist; moderate coarse platy structure parting to moderate very fine and fine subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; few very fine irregular and vesicular pores; carbonate, finely disseminated; 25 percent channers; strongly effervescent (34 percent calcium-carbonate equivalent); moderately alkaline (pH 7.9); abrupt wavy boundary.
- A2—2 to 4 inches; light brownish gray (2.5Y 6/2) channery silt loam, grayish brown (2.5Y 5/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; common very fine irregular and tubular pores; carbonate, finely disseminated; 20 percent channers; strongly effervescent (34 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt wavy boundary.
- Btk1—4 to 9 inches; light brownish gray (2.5Y 6/2) channery silt loam, light brownish gray (2.5Y 6/2) moist; moderate medium and coarse subangular blocky structure; moderately hard, friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and few fine irregular pores; 2 percent patchy, faint, clay films in root channels and pores; carbonate, finely disseminated and 1 percent fine, spherical, carbonate concretions throughout; 30 percent channers; violently effervescent (29 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear smooth boundary.

- Btk2—9 to 13 inches; light brownish gray (2.5Y 6/2) very channery silty clay loam, olive gray (5Y 5/2) moist; strong fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine roots; common very fine irregular and tubular pores; 10 percent patchy faint clay films in root channels and pores; carbonate, finely disseminated and 1 percent fine, spherical, carbonate concretions throughout; 45 percent channers; violently effervescent (31 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear smooth boundary.
- Bk—13 to 17 inches; light gray (2.5Y 7/2) very channery silty clay loam, light olive gray (5Y 6/2) moist; weak fine subangular blocky structure; hard, firm, moderately sticky, moderately plastic; few very fine roots; few very fine irregular and tubular pores; 10 percent carbonate coats on bottom surfaces of rock fragments; carbonate, finely disseminated; 55 percent angular, indurated channers; violently effervescent (22 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); gradual wavy boundary.
- C—17 to 25 inches; light gray (2.5Y 7/2) extremely channery silty clay loam, light gray (5Y 7/2) moist; massive; extremely hard, firm, moderately sticky, moderately plastic; few very fine roots; few very fine irregular pores; carbonate, finely disseminated; 70 percent channers; violently effervescent (28 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); gradual wavy boundary.
- Cr—25 to 60 inches; highly fractured, moderately cemented calcareous siltstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam
Clay content: 8 to 15 percent
Content of rock fragments: 15 to 28 percent channers
Calcium-carbonate equivalent: 20 to 40 percent
Sodium-adsorption ratio: 0 to 8
Reaction: pH 7.8 to 8.4

Btk1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam
Clay content: 18 to 26 percent
Content of rock fragments: 30 to 45 percent channers
Calcium-carbonate equivalent: 20 to 40 percent
Sodium-adsorption ratio: 0 to 8
Reaction: pH 7.8 to 8.4

Btk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 25 to 34 percent
Content of rock fragments: 30 to 50 percent channers
Calcium-carbonate equivalent: 20 to 40 percent
Sodium-adsorption ratio: 0 to 8
Reaction: pH 7.9 to 8.4

Bk horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam
Clay content: 27 to 32 percent

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Content of rock fragments: 35 to 55 percent channers

Calcium-carbonate equivalent: 20 to 40 percent

Sodium-adsorption ratio: 0 to 8

Reaction: pH 7.8 to 8.4

C horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 27 to 32 percent

Content of rock fragments: 60 to 75 percent channers

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 8.0 to 8.4

Cr horizon(s):

Texture: Bedrock

Prucree Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes, mountain slopes, ridges

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone

Slope range: 4 to 30 percent

Elevation: 6,260 to 7,220 feet

Mean annual precipitation: 14 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Pachic Haploxerolls

Typical Pedon

Prucree sandy loam; located in an area of Prucree-Dipcreek complex, 4 to 20 percent slopes; in shrub cover; 1,100 feet west, 550 feet north of the southeast corner of section 4, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 24 minutes, 12.90 seconds north latitude and 111 degrees, 4 minutes, 42.00 seconds west longitude; UTM 493554 meters E, 4694590 meters N, zone 12 NAD83.

A—0 to 2 inches; dark grayish brown (10YR 4/2) sandy loam, very dark brown (10YR 2/2) moist; strong very fine and fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine roots; many very fine irregular pores; 10 percent gravel; noneffervescent; neutral (pH 7.1); abrupt smooth boundary.

BA—2 to 10 inches; dark grayish brown (10YR 4/2) sandy loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure parting to moderate very fine and fine granular; slightly hard, very friable, nonsticky, nonplastic; common very fine roots; many very fine tubular pores; 10 percent gravel; noneffervescent; neutral (pH 7.1); gradual wavy boundary.

Bw1—10 to 19 inches; brown (7.5YR 4/2) sandy loam, dark brown (7.5YR 3/3) moist; moderate medium and coarse subangular blocky structure; hard, very friable, nonsticky, nonplastic; common very fine and few fine roots; common very fine tubular pores; 5 percent gravel; noneffervescent; neutral (pH 7.0); gradual wavy boundary.

Bw2—19 to 28 inches; brown (7.5YR 4/2) sandy loam, dark brown (7.5YR 3/2) moist; moderate medium and coarse subangular blocky structure; hard, very friable, nonsticky, nonplastic; common very fine and few fine roots; common very fine tubular pores; 5 percent gravel; noneffervescent; neutral (pH 7.0); abrupt smooth boundary.

Cr—28 to 29 inches; reddish brown (5YR 5/3) moderately cemented sandstone bedrock, dark reddish brown (5YR 3/3) moist; sandstone can be broken in the hands and breaks down slightly when soaked in water. Material can be rubbed to a loamy fine sand texture.

R—29 to 60 inches; reddish brown (5YR 5/3) indurated sandstone bedrock, dark reddish brown (5YR 3/3) moist.

Range in Characteristics

Depth to restrictive feature:

- 20 to 35 inches to paralithic bedrock
- 21 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Sandy loam

Clay content: 12 to 17 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

BA horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 12 to 17 percent

Content of rock fragments: 0 to 10 percent gravel

Reaction: pH 6.6 to 7.3

Bw1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 12 to 17 percent

Content of rock fragments: 4 to 23 percent gravel

Reaction: pH 6.6 to 7.6

Bw2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 12 to 17 percent

Content of rock fragments: 4 to 23 percent gravel

Reaction: pH 6.6 to 7.6

Cr horizon(s):

Texture: Bedrock

R horizon(s):

Texture: Bedrock

Raynal Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Flood plains

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Parent material: Mixed alluvium

Slope range: 0 to 2 percent

Elevation: 5,960 to 6,240 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Aquic Cumulic Haploxerolls

Typical Pedon

Raynal silty clay loam; located in an area of Raynal silty clay loam, 0 to 2 percent slopes; in rangeland; 1,500 feet west, 1,055 feet north of the southeast corner of section 15, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 22 minutes, 33.40 seconds north latitude and 111 degrees, 3 minutes, 37.90 seconds west longitude; UTM 495018 meters E, 4691521 meters N, zone 12 NAD83.

A—0 to 10 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark brown (10YR 2/2) moist; strong fine and medium granular structure; hard, very friable, moderately sticky, moderately plastic; common very fine and few fine roots; many very fine irregular pores; carbonate, finely disseminated; strongly effervescent (12 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt smooth boundary.

BA—10 to 22 inches; brown (10YR 5/3) silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium and coarse subangular blocky structure parting to strong fine and medium granular; hard, friable, moderately sticky, moderately plastic; common very fine and medium and few fine roots; many very fine irregular and common very fine tubular pores; carbonate, finely disseminated; strongly effervescent (12 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear smooth boundary.

Bkg1—22 to 29 inches; brown (7.5YR 5/2) silt loam, dark brown (7.5YR 3/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and coarse and few fine roots; many very fine tubular pores; 1 percent fine, prominent, irregular, black (N 2.5/) moist, manganese masses throughout; carbonate, finely disseminated, 1 percent fine, weakly cemented lime masses, 1 percent fine, threadlike, weakly cemented carbonate threads, and 1 percent fine shell fragments; strongly effervescent (5 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt smooth boundary.

Bkg2—29 to 35 inches; brown (7.5YR 5/2) silty clay loam, dark brown (7.5YR 3/2) moist; moderate medium and coarse subangular blocky structure; very hard, friable, moderately sticky, very plastic; common very fine and few fine roots; many very fine tubular pores; 1 percent fine, prominent, irregular, black (N 2.5/) and 1 percent fine, distinct, irregular, brown (7.5YR 4/4) moist, masses of oxidized iron throughout; carbonate, finely disseminated, 1 percent fine shell fragments, 1 percent fine threadlike carbonate threads, and 1 percent fine weakly cemented lime masses; strongly effervescent (9 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear wavy boundary.

Bkg3—35 to 40 inches; brown (7.5YR 5/2) silt loam, brown (7.5YR 4/2) moist; weak coarse subangular blocky structure; hard, very friable, moderately sticky, moderately plastic; common very fine tubular pores; 1 percent fine, prominent, irregular, black (N 2.5/) moist, manganese masses throughout; carbonate, finely disseminated, 10 percent threadlike, weakly cemented, carbonate threads, and

1 percent fine shell fragments; strongly effervescent (3 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

Bkg4—40 to 46 inches; light brown (7.5YR 6/3) silt loam, brown (7.5YR 5/2) moist; massive; hard, very friable, slightly sticky, moderately plastic; common very fine and few fine tubular pores; 1 percent fine, prominent, irregular, black (N 2.5/) moist, manganese masses throughout and 1 percent fine, distinct, irregular, brown (7.5YR 4/4) moist, masses of oxidized iron throughout; carbonate, finely disseminated, 25 percent fine, irregular, weakly cemented carbonate threads, and 1 percent fine shell fragments; violently effervescent (13 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.

Bkg5—46 to 60 inches; brown (7.5YR 5/2) very fine sandy loam, brown (7.5YR 4/2) moist; massive; hard, very friable, slightly sticky, slightly plastic; common very fine and few fine tubular pores; 1 percent fine, prominent, irregular, black (N 2.5/) moist, manganese masses throughout and 1 percent fine, distinct, irregular, brown (7.5YR 4/4) moist, masses of oxidized iron throughout; carbonate, finely disseminated and 10 percent fine, irregular, weakly cemented carbonate threads and 1 percent fine shell fragments; violently effervescent (8 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 24 to 42 inches

Flooding:

- Month(s): April, May, June
- Frequency: Rare

A horizon(s):

Organic matter content: 4 to 7 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 28 to 35 percent

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.6 to 8.0

BA horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 25 to 35 percent

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

Bkg1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silty clay loam, silt loam

Clay content: 25 to 35 percent

Calcium-carbonate equivalent: 5 to 15 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.9 to 8.4

Bkg2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, silty clay loam

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Clay content: 25 to 35 percent
Calcium-carbonate equivalent: 5 to 15 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.9 to 8.4

Bkg3 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 22 to 35 percent
Calcium-carbonate equivalent: 5 to 15 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.9 to 8.4

Bkg4 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silty clay loam, silt loam
Clay content: 22 to 35 percent
Calcium-carbonate equivalent: 5 to 15 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.9 to 8.4

Bkg5 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silt loam, very fine sandy loam
Clay content: 12 to 25 percent
Content of rock fragments: 0 to 16 percent gravel
Calcium-carbonate equivalent: 5 to 15 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.8 to 8.4

Ream Series

Depth class: Very deep
Drainage class: Moderately well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Stream terraces
Parent material: Mixed alluvium over sandy and gravelly alluvium
Slope range: 0 to 2 percent
Elevation: 5,830 to 6,080 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Ream silt loam; located in an area of Ream-Merkley complex, 0 to 2 percent slopes; in hayland; 1,950 feet east, 1,500 feet south of the northwest corner of section 18, T 14 S., R 45 E.; Pegram, Idaho USGS quadrangle; 42 degrees, 12 minutes, 28.70 seconds north latitude and 111 degrees, 14 minutes, 27.20 seconds west longitude; UTM 480116 meters E, 4672896 meters N, zone 12 NAD83.

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- A1—0 to 3 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; weak thin platy structure parting to moderate fine and medium granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and coarse roots; common very fine irregular and few fine tubular pores; carbonate, finely disseminated; 2 percent gravel; slightly effervescent (1 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt smooth boundary.
- A2—3 to 13 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; weak medium prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and coarse roots; common very fine and few fine tubular pores; 10 percent faint clay bridges between sand grains; carbonate, finely disseminated and 1 percent fine, irregular, weakly cemented lime masses; 2 percent gravel; slightly effervescent (1 percent calcium-carbonate equivalent); moderately alkaline (pH 7.9); clear wavy boundary.
- Btk—13 to 19 inches; pale brown (10YR 6/3) silt loam, dark yellowish brown (10YR 4/4) moist; moderate medium prismatic structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and few fine and medium roots; common very fine and medium and few fine tubular pores; 10 percent faint clay bridges between sand grains; 10 percent strongly cemented insect casts, carbonate, finely disseminated, 1 percent fine, irregular, weakly cemented, carbonate threads, and 1 percent fine, irregular, weakly cemented, lime masses; strongly effervescent (8 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); clear wavy boundary.
- Bk1—19 to 24 inches; very pale brown (10YR 7/3) silt loam, brown (7.5YR 5/4) moist; weak thick platy structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and medium and few fine tubular pores; 10 percent strongly cemented insect casts, carbonate, finely disseminated, 5 percent fine, irregular, weakly cemented lime masses, and 5 percent fine, irregular, weakly cemented carbonate threads; violently effervescent (5 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); clear wavy boundary.
- Bk2—24 to 29 inches; very pale brown (10YR 7/4) loam, yellowish brown (10YR 5/4) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and few fine and medium tubular pores; carbonate, finely disseminated and 1 percent fine, irregular, weakly cemented carbonate threads; strongly effervescent (14 percent calcium-carbonate equivalent); moderately alkaline (pH 8.3); abrupt wavy boundary.
- Bk3—29 to 34 inches; brown (7.5YR 5/4) sandy loam, dark yellowish brown (10YR 4/4) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, nonsticky, nonplastic; few very fine and fine roots; common very fine tubular and irregular and few fine tubular pores; carbonate, finely disseminated and 1 percent fine, irregular, weakly cemented carbonate threads; 2 percent gravel; strongly effervescent (1 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); gradual wavy boundary.
- 2Bkq1—34 to 50 inches; light brown (7.5YR 6/4) very gravelly loamy coarse sand, brown (7.5YR 4/4) moist; single grain; loose, nonsticky, nonplastic; common very fine and few fine roots; common very fine irregular pores; carbonate, finely disseminated, 2 percent coarse lime masses on bottom of rock fragments, and 2 percent coarse silica masses on bottom of rock fragments; 50 percent gravel; slightly effervescent (1 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); diffuse wavy boundary.
- 2Bkq2—50 to 61 inches; light brown (7.5YR 6/4) extremely gravelly sand, brown (7.5YR 4/4) moist; single grain; loose, nonsticky, nonplastic; common very fine

irregular pores; black (N 2/), moist, manganese or iron-manganese stains; carbonate, finely disseminated, black (N 2/), moist, manganese masses, 2 percent fine, silica masses on bottom of rock fragments, and 2 percent fine lime masses; 50 percent gravel and 20 percent cobbles; slightly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: 26 to 40 inches to strongly contrasting textural stratification

Water Features

Seasonal high water table:

- Month(s): February, March, April, May, June, July
- Depth: 48 to 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 14 to 20 percent

Content of rock fragments: 0 to 9 percent gravel

Calcium-carbonate equivalent: 1 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.2

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 14 to 20 percent

Content of rock fragments: 0 to 10 percent gravel

Calcium-carbonate equivalent: 1 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.2

Btk horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 14 to 26 percent

Content of rock fragments: 0 to 5 percent gravel

Calcium-carbonate equivalent: 15 to 25 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 2 to 8

Reaction: pH 7.9 to 8.6

Bk1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 14 to 26 percent

Content of rock fragments: 0 to 10 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 2 to 8

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silt loam, loam

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Clay content: 14 to 26 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 8
Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sandy loam, fine sandy loam
Clay content: 5 to 15 percent
Content of rock fragments: 0 to 22 percent gravel
Calcium-carbonate equivalent: 1 to 10 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 2 to 8
Reaction: pH 7.9 to 8.6

2Bkq1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loamy coarse sand, sand
Clay content: 1 to 5 percent
Content of rock fragments:

- 0 to 7 percent cobbles
- 40 to 60 percent gravel

Calcium-carbonate equivalent: 2 to 10 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 2 to 8
Reaction: pH 7.9 to 8.4

2Bkq2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Sand, loamy coarse sand
Clay content: 1 to 5 percent
Content of rock fragments:

- 10 to 20 percent cobbles
- 35 to 65 percent gravel

Calcium-carbonate equivalent: 2 to 10 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 2 to 8
Reaction: pH 7.9 to 8.4

Redpine Series

Depth class: Moderately deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes
Parent material: Mixed slope alluvium and/or colluvium over weakly cemented volcanic ash
Slope range: 8 to 25 percent
Elevation: 5,910 to 6,890 feet
Mean annual precipitation: 15 to 20 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Redpine loam; located in an area of Redpine-Draney-Brushtop complex, 8 to 40 percent slopes; in shrub cover; 2,930 feet east, 250 feet north of the southwest corner of section 35, T 11 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 24 minutes, 58.30 seconds north latitude and 111 degrees, 23 minutes, 44.90 seconds west longitude; UTM 467434 meters E, 4696064 meters N, zone 12 NAD83.

- A—0 to 4 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; 10 percent gravel; noneffervescent; neutral (pH 6.8); clear smooth boundary.
- AB—4 to 10 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate fine and medium subangular blocky structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; 10 percent gravel; noneffervescent; neutral (pH 6.8); clear smooth boundary.
- Bt1—10 to 16 inches; dark grayish brown (10YR 4/2) clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium prismatic structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; 35 percent discontinuous faint clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.
- Bt2—16 to 22 inches; grayish brown (10YR 5/2) clay loam, dark grayish brown (10YR 4/2) moist; strong medium prismatic structure; very hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; 35 percent continuous, distinct, clay films on faces of peds and in pores; 10 percent gravel and 5 percent paragravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.
- Bk—22 to 26 inches; pale brown (10YR 6/3) paragravelly clay loam, brown (10YR 5/3) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; few very fine and fine roots; carbonate coats on rock fragments; carbonate, finely disseminated; 15 percent paragravel; strongly effervescent; moderately alkaline (pH 7.9); abrupt wavy boundary.
- 2Cr—26 to 60 inches; light gray (2.5Y 7/0) weakly cemented volcanic sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 20 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 0 to 12 percent gravel

Reaction: pH 6.6 to 7.3

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 20 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 12 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 20 percent gravel
- 0 to 5 percent parafragments

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Clay loam

Clay content: 27 to 33 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 17 percent gravel
- 0 to 10 percent parafragments

Reaction: pH 6.6 to 7.3

Bk horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 20 to 28 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 10 to 17 percent gravel
- 10 to 20 percent parafragments

Calcium-carbonate equivalent: 15 to 25 percent

Electrical conductivity (mmhos/cm): 0 to 1

Reaction: pH 7.8 to 8.4

2Cr horizon(s):

Texture: Bedrock

Rexburg Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 45 percent

Elevation: 5,820 to 7,580 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 37 to 45 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Coarse-silty, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Rexburg silt loam; located in an area of Rexburg-Ririe complex, 1 to 4 percent slopes; in rangeland; 650 feet north, 200 feet east of the southwest corner of section 8, T 9 S., R 40 E.; Talmage, Idaho USGS quadrangle; 42 degrees, 39 minutes, 4.20

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seconds north latitude and 111 degrees, 49 minutes, 2.90 seconds west longitude;
UTM 432993 meters E, 4722403 meters N, zone 12 NAD83.

- A—0 to 7 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium granular structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; common very fine and fine tubular pores; noneffervescent; neutral (pH 7.3); abrupt wavy boundary.
- AB—7 to 13 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; weak medium platy structure parting to moderate medium and coarse subangular blocky; slightly hard, very friable, moderately sticky, slightly plastic; common very fine and fine roots; common very fine and fine tubular pores; 2 percent discontinuous, distinct clay films on faces of peds and in pores; noneffervescent; neutral (pH 7.6); abrupt smooth boundary.
- Bw—13 to 25 inches; brown (10YR 5/3) silt loam, brown (10YR 4/3) moist; weak medium prismatic structure parting to weak medium subangular blocky; slightly hard, very friable, moderately sticky, slightly plastic; common very fine and fine roots; common very fine tubular pores; noneffervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.
- Bk1—25 to 31 inches; pale brown (10YR 6/3) silt loam, brown (10YR 5/3) moist; moderate medium subangular blocky structure parting to weak medium angular blocky; slightly hard, very friable, moderately sticky, slightly plastic; common very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout, 1 percent fine threadlike, very weakly cemented carbonate masses throughout, and 5 percent coarse and very coarse, irregular, moderately cemented insect casts throughout; strongly effervescent; moderately alkaline (pH 8.2); clear wavy boundary.
- Bk2—31 to 47 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; weak medium angular blocky structure parting to weak medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; common very fine and fine tubular pores; carbonate, finely disseminated throughout, 8 percent fine, threadlike, very weakly cemented carbonate masses throughout, and 15 percent coarse and very coarse, irregular, moderately cemented insect casts throughout; violently effervescent; moderately alkaline (pH 8.4); clear wavy boundary.
- C—47 to 60 inches; very pale brown (10YR 7/3) silt loam, yellowish brown (10YR 5/4) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; common very fine and fine tubular pores; carbonate, finely disseminated throughout; violently effervescent; moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Reaction: pH 7.0 to 7.6

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Reaction: pH 7.0 to 7.6

Bw horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 14 to 18 percent

Reaction: pH 7.3 to 7.6

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt, silt loam

Clay content: 10 to 16 percent

Calcium-carbonate equivalent: 15 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 8.4

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam, silt

Clay content: 10 to 16 percent

Calcium-carbonate equivalent: 15 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 8.4

C horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam, silt

Clay content: 10 to 16 percent

Calcium-carbonate equivalent: 15 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 8.0 to 8.4

Richollow Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone and dolomite and/or calcareous sandstone and siltstone

Slope range: 5 to 50 percent

Elevation: 6,190 to 7,660 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Lithic Calcicryolls

Typical Pedon

Richollow very gravelly silt loam; located in an area of Richollow-Dranburn complex, 5 to 50 percent slopes; in shrub cover; 2,300 feet south, 1,350 feet west of the northeast corner of section 17, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 12 minutes, 23.70 seconds north latitude and 111 degrees, 26 minutes, 58.40 seconds west longitude; UTM 462890 meters E, 4672813 meters N, zone 12 NAD83.

A—0 to 7 inches; grayish brown (10YR 5/2) very gravelly silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium roots; many fine irregular pores; 40 percent gravel and 5 percent cobbles; strongly effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.

Bk—7 to 13 inches; light gray (10YR 7/2) extremely cobbly silt loam, brown (10YR 5/3) moist; moderate fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium roots; common fine irregular pores; 25 percent fine and medium carbonate masses and 25 percent fine and medium, threadlike, carbonate threads; 30 percent gravel and 40 percent cobbles; violently effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.

R—13 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 0 to 5 percent stones
- 5 to 10 percent cobbles
- 30 to 40 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.2

Bk horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, sandy loam, loam

Clay content: 8 to 16 percent

Content of rock fragments:

- 0 to 5 percent stones
- 15 to 40 percent cobbles
- 20 to 40 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.8 to 8.4

R horizon(s):

Texture: Bedrock

Ririe Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced silty alluvium and/or slope alluvium

Slope range: 1 to 12 percent

Elevation: 5,840 to 7,210 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-silty, mixed, superactive, frigid Calcic Haploxerolls

Typical Pedon

Ririe silt loam; located in an area of Rexburg-Ririe complex, 4 to 8 percent slopes; 1,350 feet east, 300 feet south of the northwest corner of section 8, T 11 S., R 40 E.; Thatcher Hill, Idaho USGS quadrangle; 42 degrees, 29 minutes, 18.00 seconds north latitude and 111 degrees, 48 minutes, 48.40 seconds west longitude; UTM 433149 meters E, 4704320 meters N, zone 12 NAD83.

- A—0 to 7 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium platy structure parting to weak medium subangular blocky; soft, very friable, nonsticky, nonplastic; common very fine and fine roots; few very fine and fine irregular pores; noneffervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.
- AB—7 to 14 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; weak coarse prismatic structure; soft, very friable, nonsticky, slightly plastic; common very fine roots; many very fine irregular pores; noneffervescent; slightly alkaline (pH 7.8); clear smooth boundary.
- Bk1—14 to 19 inches; pale brown (10YR 6/3) silt loam, brown (10YR 4/3) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine roots; common very fine irregular pores; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.
- Bk2—19 to 33 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; weak medium subangular blocky structure; hard, firm, slightly sticky, slightly plastic; few very fine roots; common very fine irregular pores; carbonate, finely disseminated throughout and 20 percent coarse and very coarse, strongly cemented, cylindrical insect casts throughout; violently effervescent; moderately alkaline (pH 8.2); gradual smooth boundary.
- Bk3—33 to 45 inches; pink (7.5YR 7/4) silt loam, yellowish brown (10YR 5/4) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; common very fine irregular pores; carbonate, finely disseminated throughout; violently effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.
- Bk4—45 to 60 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; common very fine irregular pores; carbonate, finely disseminated throughout; violently effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 18 percent

Reaction: pH 7.3 to 7.8

AB horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 18 percent

Reaction: pH 7.3 to 7.8

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

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Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk3 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk4 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 12 to 18 percent

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Sadducee Series

Depth class: Very deep

Drainage class: Very poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Lake terraces

Parent material: Lacustrine deposits

Slope range: 0 to 2 percent

Elevation: 5,930 to 5,980 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 41 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, calcareous, frigid Typic Endoaquolls

Typical Pedon

Sadducee loamy fine sand; located in an area of Sadducee-Bearbeach complex, 0 to 2 percent slopes; in rangeland; 500 feet north, 1,900 feet west of the southwest corner of section 24, T 15 S., R 43 E.; Bear Lake North, Idaho USGS quadrangle; 42 degrees, 5 minutes, 54.60 seconds north latitude and 111 degrees, 22 minutes, 43.40 seconds west longitude; UTM 468684 meters E, 4660781 meters N, zone 12 NAD83.

A—0 to 6 inches; grayish brown (2.5Y 5/2) loamy fine sand, very dark gray (2.5Y 3/1) moist; single grain; loose, nonsticky, nonplastic; many very fine, fine, and medium roots; common very fine irregular pores; carbonate, finely disseminated; 1 percent gravel; violently effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

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- Bg1—6 to 10 inches; gray (2.5Y 5/1) gravelly loamy fine sand, very dark gray (2.5Y 3/1) moist; single grain; loose, nonsticky, nonplastic; many very fine and fine and few medium roots; common fine irregular pores; carbonate, finely disseminated and 1 percent fine shell fragments; 25 percent gravel; violently effervescent; moderately alkaline (pH 8.0); abrupt wavy boundary.
- Bg2—10 to 17 inches; light gray (2.5Y 7/2) silt loam, light olive brown (2.5Y 5/3) moist; moderate medium and coarse subangular blocky structure; hard, friable, slightly sticky, slightly plastic; few very fine roots; common fine irregular pores; 1 percent medium, faint, irregular, grayish brown (2.5Y 5/2) iron depletions throughout and 10 percent fine, prominent, irregular, yellowish brown (10YR 5/6) masses of oxidized iron throughout; carbonate, finely disseminated and 1 percent fine shell fragments; 1 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); abrupt wavy boundary.
- Bg3—17 to 25 inches; pale brown (10YR 6/3) silt loam, yellowish brown (10YR 5/4) moist; moderate medium and coarse subangular blocky structure; hard, friable, slightly sticky, slightly plastic; few very fine roots; common fine irregular pores; 1 percent fine, distinct, irregular, light olive brown (2.5Y 5/6) masses of oxidized iron throughout and 25 percent coarse, distinct, irregular, grayish brown (2.5Y 5/2) iron depletions throughout; carbonate, finely disseminated and 1 percent fine shell fragments; 1 percent gravel; strongly effervescent; slightly alkaline (pH 7.6); gradual wavy boundary.
- Cg1—25 to 49 inches; light gray (10YR 7/2) silty clay loam, grayish brown (2.5Y 5/2) moist; massive; hard, friable, moderately sticky, moderately plastic; few fine irregular pores; 25 percent coarse, prominent, irregular, brown (7.5YR 4/3) masses of oxidized iron throughout; carbonate, finely disseminated; 1 percent gravel; strongly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.
- Cg2—49 to 60 inches; light brown (7.5YR 6/3) very fine sandy loam, brown (7.5YR 5/3) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few fine irregular pores; 1 percent fine, prominent, irregular, red (2.5YR 5/6) masses of oxidized iron throughout; carbonate, finely disseminated; 10 percent gravel; slightly effervescent; slightly alkaline (pH 7.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 0 to 10 inches

A horizon(s):

Organic matter content: 4 to 6 percent
Texture (less than 2 mm): Loamy fine sand
Clay content: 5 to 10 percent
Content of rock fragments: 0 to 10 percent gravel
Calcium-carbonate equivalent: 10 to 30 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.0

Bg1 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam, loam, fine sandy loam, loamy fine sand
Clay content: 10 to 20 percent
Content of rock fragments: 0 to 28 percent gravel
Calcium-carbonate equivalent: 15 to 30 percent

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Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.2

Bg2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Clay loam, sandy clay loam, loam, silt loam

Clay content: 20 to 35 percent

Content of rock fragments: 1 to 19 percent gravel

Calcium-carbonate equivalent: 10 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.2

Bg3 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silt loam, sandy clay loam, clay loam, loam

Clay content: 20 to 35 percent

Content of rock fragments: 1 to 19 percent gravel

Calcium-carbonate equivalent: 10 to 30 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.2

Cg1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, clay loam, sandy clay loam, silty clay loam

Clay content: 20 to 35 percent

Content of rock fragments: 1 to 19 percent gravel

Calcium-carbonate equivalent: 2 to 15 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.0

Cg2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Very fine sandy loam, loam, fine sandy loam

Clay content: 14 to 24 percent

Content of rock fragments: 0 to 19 percent gravel

Calcium-carbonate equivalent: 2 to 15 percent

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.4 to 8.0

Sagollow Series

Depth class: Very deep

Drainage class: Somewhat poorly drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Drainageways, fan remnants

Parent material: Mixed alluvium

Slope range: 0 to 10 percent

Elevation: 5,910 to 6,670 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Oxyaquic Argixerolls

Typical Pedon

Sagollow silt loam; located in an area of Streek-Swanpeak-Sagollow complex, 2 to 15 percent slopes; in shrub cover; 930 feet south, 785 feet east of the northwest corner of section 24, T 12 S., R 42 E.; Midnight Mountain, Idaho USGS quadrangle; 42 degrees, 22 minutes, 10.10 seconds north latitude and 111 degrees, 30 minutes, 10.90 seconds west longitude; UTM 458582 meters E, 4690921 meters N, zone 12 NAD83.

- A—0 to 4 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate very fine and fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine and few fine and medium irregular pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.4); gradual wavy boundary.
- A/B—4 to 12 inches; 60 percent dark grayish brown (10YR 4/2) and 40 percent brown (10YR 5/3) silt loam, very dark brown (10YR 2/2) and dark brown (10YR 3/3) moist; moderate fine subangular blocky structure; hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine tubular and few fine tubular and irregular pores; 10 percent gravel; noneffervescent; slightly acid (pH 6.4); gradual wavy boundary.
- Bt1—12 to 22 inches; brown (10YR 5/3) cobbly silty clay loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; many very fine, common medium, and few fine tubular pores; 10 percent patchy, faint, clay films on faces of peds and in root channels and/or pores; 10 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.
- Bt2—22 to 26 inches; brown (10YR 5/3) very cobbly silty clay loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; very hard, very firm, very sticky, very plastic; common very fine roots; many very fine, common medium, and few fine tubular pores; 10 percent patchy faint clay films on faces of peds and in root channels and/or pores; 10 percent fine, prominent, irregular, dark yellowish brown (10YR 4/6) moist, masses of oxidized iron throughout; 15 percent gravel and 30 percent cobbles; noneffervescent; neutral (pH 6.6); gradual wavy boundary.
- Bt3—26 to 45 inches; brown (10YR 5/3) extremely cobbly clay loam, brown (10YR 4/3) moist; strong fine and medium subangular blocky structure; very hard, very firm, very sticky, very plastic; few very fine roots; many very fine, common medium, and few fine tubular pores; 10 percent patchy faint clay films on faces of peds and in root channels and/or pores; 25 percent fine and medium, prominent, irregular, strong brown (7.5YR 5/6) moist, masses of oxidized iron throughout; 30 percent gravel and 50 percent cobbles; noneffervescent; neutral (pH 6.6); gradual wavy boundary.
- Bt4—45 to 60 inches; brown (10YR 5/3) extremely cobbly clay loam, brown (10YR 4/3) moist; strong medium subangular blocky structure; very hard, very firm, very sticky, very plastic; many very fine, common medium, and few fine tubular pores; 10 percent patchy faint clay films on faces of peds and in root channels and/or pores; 25 percent fine and medium, prominent, irregular, strong brown (7.5YR 5/6) moist, masses of oxidized iron throughout; 20 percent gravel and 60 percent cobbles; noneffervescent; neutral (pH 6.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): February, March, April, May, June, July
- Depth: 20 to 72 inches

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 5 percent cobbles
- 0 to 10 percent gravel

Reaction: pH 6.2 to 7.2

A/B horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 20 to 30 percent

Content of rock fragments:

- 0 to 20 percent cobbles
- 5 to 25 percent gravel

Reaction: pH 6.2 to 7.2

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam, loam, silty clay loam

Clay content: 25 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 10 to 15 percent cobbles
- 10 to 25 percent gravel

Reaction: pH 6.2 to 7.2

Bt2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 25 to 35 percent

Content of rock fragments:

- 0 to 10 percent stones
- 25 to 40 percent cobbles
- 15 to 35 percent gravel

Reaction: pH 6.6 to 7.4

Bt3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 25 to 35 percent

Content of rock fragments:

- 0 to 10 percent stones
- 25 to 40 percent cobbles
- 15 to 35 percent gravel

Reaction: pH 6.6 to 7.4

Bt4 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, silty clay, clay loam

Clay content: 25 to 45 percent

Content of rock fragments:

- 30 to 60 percent cobbles
- 18 to 35 percent gravel

Reaction: pH 6.6 to 7.4

Sheep Creek Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 2 to 60 percent

Elevation: 6,010 to 7,850 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Sheep Creek gravelly sandy loam; located in an area of Sheep Creek-Taylor-Dry Canyon complex, dry, 5 to 60 percent slopes; in shrub cover; 2,400 feet south, 400 feet west of the northeast corner of section 14, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 7 minutes, 5.80 seconds north latitude and 111 degrees, 9 minutes, 5.90 seconds west longitude; UTM 487466 meters E, 4662918 meters N, zone 12 NAD83.

A1—0 to 5 inches; brown (7.5YR 4/3) gravelly sandy loam, dark brown (7.5YR 3/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, medium, and coarse roots; many fine interstitial pores; 25 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 7.2); abrupt smooth boundary.

A2—5 to 11 inches; reddish brown (5YR 5/3) gravelly loam, dark reddish brown (5YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, medium, and coarse roots; many fine interstitial and few very fine tubular pores; 25 gravel and 5 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); abrupt wavy boundary.

Bt—11 to 21 inches; reddish brown (5YR 5/4) very gravelly clay loam, dark reddish brown (5YR 3/4) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine tubular and interstitial pores; 10 percent faint clay films on faces of peds and 35 percent faint clay films on surfaces along pores; 35 percent gravel and 5 percent cobbles; noneffervescent; slightly alkaline (pH 7.4); clear wavy boundary.

Btk—21 to 33 inches; light reddish brown (5YR 6/4) extremely cobbly clay loam, reddish brown (5YR 5/4) moist; moderate fine subangular blocky structure; hard, friable, slightly sticky, moderately plastic; common very fine and few fine roots; common very fine and fine interstitial and few very fine tubular pores; 10 percent faint clay films on surfaces along pores; 1 percent fine weakly cemented lime masses; 35 percent gravel and 25 percent cobbles; strongly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Bk—33 to 38 inches; light reddish brown (5YR 6/4) extremely cobbly loam, reddish brown (5YR 5/4) moist; weak fine subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; few very fine roots; common very fine and fine interstitial pores; 10 percent fine, weakly cemented lime masses; 35 percent gravel, 30 percent cobbles, and 5 percent stones; violently effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.

R—38 to 60 inches; red indurated sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A1 horizon(s):

Organic matter content: 2 to 5 percent

Texture (less than 2 mm): Sandy loam

Clay content: 10 to 25 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 8 percent cobbles
- 10 to 25 percent gravel

Reaction: pH 6.8 to 7.3

A2 horizon(s):

Organic matter content: 1 to 4 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 10 to 25 percent

Content of rock fragments:

- 0 to 2 percent stones
- 0 to 15 percent cobbles
- 10 to 25 percent gravel

Reaction: pH 6.8 to 7.8

Bt horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 14 to 35 percent

Content of rock fragments:

- 5 to 25 percent cobbles
- 20 to 40 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 6.8 to 7.8

Btk horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Clay loam, loam, sandy clay loam

Clay content: 10 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 15 to 30 percent cobbles
- 30 to 40 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.2

Bk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 14 to 25 percent

Content of rock fragments:

- 0 to 5 percent stones
- 15 to 30 percent cobbles
- 20 to 40 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Reaction: pH 7.8 to 8.4

R horizon(s):

Texture: Bedrock

Slan Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium over residuum weathered from sandstone

Slope range: 10 to 65 percent

Elevation: 6,200 to 7,690 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Haploxeralfs

Typical Pedon

Slan very gravelly loam; located in an area of Boyd Hollow-Slan-Cokeville complex, 15 to 65 percent slopes; in shrub cover; 800 feet north, 1250 feet west of the southwest corner of section 21, T 15 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 5 minutes, 55.90 seconds north latitude and 111 degrees, 4 minutes, 37.20 seconds west longitude; UTM 493633 meters E, 4660754 meters N, zone 12 NAD83.

A—0 to 2 inches; light reddish brown (5YR 6/4) very gravelly loam, yellowish red (5YR 4/6) moist; moderate medium platy structure; slightly hard, friable, nonsticky, nonplastic; many very fine and fine roots; many fine interstitial and common very fine tubular pores; carbonate, finely disseminated throughout; 40 percent gravel; slightly effervescent; slightly alkaline (pH 7.8); abrupt smooth boundary.

BA—2 to 5 inches; light reddish brown (5YR 6/4) gravelly fine sandy loam, yellowish red (5YR 4/6) moist; moderate fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; common very fine and fine interstitial pores; 10 percent patchy faint clay films on vertical faces of peds; carbonate, finely disseminated throughout; 20 percent gravel; strongly effervescent; moderately alkaline (pH 8.2); clear wavy boundary.

Bt—5 to 18 inches; reddish yellow (5YR 6/6) gravelly loam, yellowish red (5YR 5/6) moist; moderate medium subangular blocky structure; moderately hard, firm, moderately sticky, moderately plastic; common very fine and fine roots; common very fine and fine tubular pores; 35 percent discontinuous faint clay films on all faces of peds; carbonate, finely disseminated throughout; 20 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

Bk—18 to 25 inches; reddish yellow (5YR 6/6) gravelly loam, red (2.5YR 5/6) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; common very fine and fine roots; common very fine and fine tubular pores; carbonate, finely disseminated throughout and 15 percent fine and

medium, irregular, extremely weakly cemented carbonate masses throughout; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.

BC—25 to 32 inches; light reddish brown (5YR 6/4) fine sandy loam, reddish brown (5YR 5/4) moist; massive; slightly hard, friable, nonsticky, nonplastic; few very fine roots; few very fine interstitial pores; carbonate, finely disseminated throughout; strongly effervescent; moderately alkaline (pH 8.2); clear wavy boundary.

Cr—32 to 60 inches; reddish brown (2.5YR 5/4) strongly weathered Wasatch sandstone.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments: 35 to 50 percent gravel

Calcium-carbonate equivalent: 5 to 10 percent

Reaction: pH 7.6 to 8.4

BA horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Fine sandy loam, loam

Clay content: 10 to 22 percent

Content of rock fragments: 15 to 20 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

Bt horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 18 to 30 percent

Content of rock fragments: 15 to 31 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

Bk horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Clay loam, loam

Clay content: 18 to 30 percent

Content of rock fragments: 15 to 31 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.8 to 8.4

BC horizon(s):

Organic matter content: 0 to 0.00 percent

Texture (less than 2 mm): Fine sandy loam, loam

Clay content: 10 to 18 percent

Content of rock fragments: 0 to 10 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

Cr horizon(s):

Texture: Bedrock

Slights Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Very low

Landform: Hillslopes, mountain slopes

Parent material: Loess influenced slope alluvium and/or colluvium over clayey slope alluvium and/or colluvium

Slope range: 2 to 40 percent

Elevation: 5,880 to 7,850 feet

Mean annual precipitation: 15 to 24 inches

Mean annual air temperature: 36 to 41 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine, smectitic Vertic Argicryolls

Typical Pedon

Slights loam; located in an area of Slights-Dranburn complex, 2 to 40 percent slopes; in shrub cover; 1,780 feet east, 270 feet north of the southwest corner of section 12, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 23 minutes, 14.60 seconds north latitude and 111 degrees, 22 minutes, 47.50 seconds west longitude; UTM 468732 meters E, 4692860 meters N, zone 12 NAD83.

A—0 to 5 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; common fine interstitial pores; 5 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

AB—5 to 12 inches; very dark grayish brown (10YR 3/2) loam, very dark brown (10YR 2/2) moist; moderate fine and medium subangular blocky structure; soft, friable, slightly sticky, slightly plastic; many very fine and fine and few medium and coarse roots; common fine interstitial pores; 5 percent gravel; noneffervescent; neutral (pH 7.0); clear smooth boundary.

Bt1—12 to 20 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark grayish brown (10YR 3/2) moist; strong medium angular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine and fine tubular pores; 35 percent continuous, distinct, clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 6.8); clear smooth boundary.

Bt2—20 to 39 inches; brown (10YR 5/3) silty clay, brown (10YR 4/3) moist; strong medium prismatic structure parting to strong fine and medium angular blocky; very hard, very firm, very sticky, very plastic; few very fine and fine roots; common very fine and fine tubular pores; 35 percent continuous distinct clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 6.8); clear wavy boundary.

Bt3—39 to 60 inches; yellowish brown (10YR 5/4) silty clay, dark yellowish brown (10YR 4/4) moist; strong medium and coarse prismatic structure; very hard, very firm, very sticky, very plastic; few very fine roots; common very fine and fine tubular pores; 35 percent continuous, distinct, clay films on faces of peds and in pores; 10 percent gravel; noneffervescent; neutral (pH 7.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 18 to 22 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.3

AB horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 18 to 22 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silty clay loam, clay
Clay content: 35 to 50 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0 to 0.20 percent
Texture (less than 2 mm): Silty clay, clay
Clay content: 40 to 55 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.3

Bt3 horizon(s):

Organic matter content: 0 to 0.20 percent
Texture (less than 2 mm): Clay, silty clay
Clay content: 40 to 55 percent
Content of rock fragments: 0 to 10 percent gravel
Reaction: pH 6.6 to 7.3

Springhollow Series

Depth class: Moderately deep to duripan
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Very low
Landform: Plateaus, ridges
Parent material: Loess influenced slope alluvium
Slope range: 4 to 12 percent
Elevation: 5,960 to 7,490 feet
Mean annual precipitation: 13 to 18 inches
Mean annual air temperature: 37 to 43 degrees F
Frost-free period: 65 to 90 days

Taxonomic class: Coarse-loamy, carbonatic, frigid Haplic Haploxerollic Durixerolls

Typical Pedon

Springhollow gravelly silt loam; located in an area of Springhollow-Arbone complex, dry, 4 to 12 percent slopes; in rangeland; 2260 feet east, 2142 feet north of the southwest corner of section 25, T 16 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 0 minutes, 26.70 seconds north latitude and 111 degrees,

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8 minutes, 26.90 seconds west longitude; UTM 488341 meters E, 4650610 meters N, zone 12 NAD83.

- A1—0 to 3 inches; brown (10YR 5/3) gravelly silt loam, dark brown (10YR 3/3) moist; strong very fine granular structure; soft, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine irregular pores; carbonate, finely disseminated; 15 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.
- A2—3 to 11 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate medium subangular blocky structure parting to strong very fine granular; slightly hard, friable, slightly sticky, slightly plastic; common very fine roots; many very fine tubular pores; carbonate, finely disseminated; 10 percent gravel; strongly effervescent (15 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); clear smooth boundary.
- Bk1—11 to 19 inches; very pale brown (10YR 8/3) silt loam, light yellowish brown (10YR 6/4) moist; moderate thick and very thick platy structure parting to moderate fine and medium subangular blocky; slightly hard, friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine tubular pores; carbonate, finely disseminated; violently effervescent (50 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); clear wavy boundary.
- Bk2—19 to 29 inches; very pale brown (10YR 7/3) loam, yellowish brown (10YR 5/4) moist; moderate medium and coarse subangular blocky structure; soft, very friable, slightly sticky, nonplastic; few very fine and fine roots; common very fine and few fine tubular pores; carbonate, finely disseminated; violently effervescent (40 percent calcium-carbonate equivalent); moderately alkaline (pH 8.1); clear wavy boundary.
- Bkq—29 to 36 inches; very pale brown (10YR 7/3) gravelly loam, yellowish brown (10YR 5/4) moist; strong thick platy structure; extremely hard, extremely firm, cemented by carbonates and silica, nonsticky, nonplastic; few very fine roots; common very fine tubular pores; carbonate, finely disseminated; 20 percent gravel and 5 percent cobbles; violently effervescent (50 percent calcium-carbonate equivalent); moderately alkaline (pH 8.4); abrupt wavy boundary.
- Bkqm—36 to 60 inches; lime-silica indurated duripan.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to duripan

A1 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Content of rock fragments: 15 to 25 percent gravel
Calcium-carbonate equivalent: 10 to 20 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

A2 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 12 to 18 percent
Content of rock fragments: 5 to 12 percent gravel
Calcium-carbonate equivalent: 10 to 20 percent
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam, loam
Clay content: 12 to 18 percent
Content of rock fragments:

- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Calcium-carbonate equivalent: 40 to 50 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 12 to 18 percent
Content of rock fragments:

- 0 to 10 percent cobbles
- 5 to 20 percent gravel

Calcium-carbonate equivalent: 40 to 50 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bkq horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam, silt loam
Clay content: 12 to 18 percent
Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 40 percent gravel

Calcium-carbonate equivalent: 40 to 50 percent
Sodium-adsorption ratio: 0 to 2
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.4

Bkqm horizon(s):

Texture: Cemented duripan

Sprollo Series

Depth class: Moderately deep
Drainage class: Well drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high
Landform: Hillslopes, mountain slopes, ridges
Parent material: Slope alluvium and/or colluvium over residuum weathered from limestone
Slope range: 5 to 75 percent
Elevation: 5,880 to 7,740 feet
Mean annual precipitation: 13 to 22 inches
Mean annual air temperature: 37 to 43 degrees F
Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, carbonatic, frigid Typic Calcixerepts

Typical Pedon

Sprollow gravelly loam; located in an area of Sprollow, dry-Lonjon complex, 30 to 60 percent slopes; in shrub cover; 1,200 feet north, 700 feet east of the southwest corner of section 20, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 5 minutes, 57.80 seconds north latitude and 111 degrees, 13 minutes, 34.70 seconds west longitude; UTM 481286 meters E, 4660837 meters N, zone 12 NAD83.

A—0 to 2 inches; grayish brown (10YR 5/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine, fine, medium, and coarse roots; many fine irregular pores; carbonate, finely disseminated; 30 percent gravel; strongly effervescent (6 percent calcium-carbonate equivalent); slightly alkaline (pH 7.8); abrupt smooth boundary.

Bw—2 to 7 inches; pale brown (10YR 6/3) gravelly loam, brown (10YR 4/3) moist; weak fine subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; many very fine, fine, medium, and coarse roots; common very fine irregular and tubular pores; carbonate, finely disseminated; 25 percent gravel; strongly effervescent (7 percent calcium-carbonate equivalent); moderately alkaline (pH 8.0); abrupt wavy boundary.

Bk1—7 to 16 inches; very pale brown (10YR 7/3) very gravelly loam, brown (10YR 5/3) moist; moderate fine subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine and common medium roots; many very fine tubular and irregular pores; carbonate, finely disseminated; 35 percent gravel and 5 percent cobbles; violently effervescent (42 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); clear wavy boundary.

Bk2—16 to 24 inches; very pale brown (10YR 8/3) very gravelly sandy loam, light yellowish brown (10YR 6/4) moist; moderate fine subangular blocky structure; hard, friable, nonsticky, nonplastic; common very fine and fine and few medium roots; many very fine irregular and common very fine tubular pores; carbonate, finely disseminated; 40 percent gravel and 10 percent cobbles; violently effervescent (52 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.

Bk3—24 to 34 inches; pale yellow (2.5Y 8/2) extremely gravelly sandy loam, light gray (2.5Y 7/2) moist; massive; slightly hard, very friable, nonsticky, nonplastic; common very fine and few fine roots; common very fine tubular pores; carbonate, finely disseminated; 65 percent gravel and 15 percent cobbles; violently effervescent (72 percent calcium-carbonate equivalent); moderately alkaline (pH 8.2); abrupt wavy boundary.

R—34 to 60 inches; indurated limestone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 15 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 25 to 33 percent gravel

Calcium-carbonate equivalent: 5 to 35 percent

Sodium-adsorption ratio: 0 to 5

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Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 8.4

Bw horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 12 to 15 percent

Content of rock fragments:

- 0 to 4 percent cobbles
- 25 to 41 percent gravel

Calcium-carbonate equivalent: 5 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.7 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 7 to 15 percent

Content of rock fragments:

- 5 to 10 percent cobbles
- 34 to 55 percent gravel

Calcium-carbonate equivalent: 20 to 55 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Sandy loam, silt loam, loam

Clay content: 7 to 15 percent

Content of rock fragments:

- 7 to 11 percent cobbles
- 33 to 60 percent gravel

Calcium-carbonate equivalent: 40 to 75 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, sandy loam, loam

Clay content: 7 to 15 percent

Content of rock fragments:

- 8 to 15 percent cobbles
- 46 to 65 percent gravel

Calcium-carbonate equivalent: 40 to 75 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.4

R horizon(s):

Texture: Bedrock

Streek Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Very low

Landform: Fan remnants, hillslopes

Parent material: Loess influenced alluvium, slope alluvium, and/or colluvium over clayey alluvium, slope alluvium, and/or colluvium

Slope range: 2 to 25 percent

Elevation: 5,930 to 7,180 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Fine, smectitic, frigid Vertic Argixerolls

Typical Pedon

Streek silt loam; located in an area of Streek-Swanpeak complex, 2 to 20 percent slopes; in rangeland; 1,100 feet south, 700 feet east of the northwest corner of section 8, T 12 S., R 43 E.; Nounan, Idaho USGS quadrangle; 42 degrees, 23 minutes, 53.10 seconds north latitude and 111 degrees, 27 minutes, 44.90 seconds west longitude; UTM 461940 meters E, 4694079 meters N, zone 12 NAD83.

- A1—0 to 5 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate very fine and fine subangular blocky structure parting to moderate very fine and fine granular; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; many very fine and common fine irregular pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.2); vertical cracks 1/2 to 1 1/2 inches wide; gradual wavy boundary.
- A2—5 to 11 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium and coarse subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine and common fine irregular and very fine tubular pores; 10 percent gravel; noneffervescent; slightly acid (pH 6.2); vertical cracks 1/2 to 1 1/2 inches wide; gradual wavy boundary.
- AB—11 to 16 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark grayish brown (10YR 3/2) moist; moderate fine and medium angular blocky structure parting to moderate fine subangular blocky; slightly hard, friable, moderately sticky, moderately plastic; common fine and few medium and coarse roots; many coarse irregular and common very fine and fine tubular pores; 35 percent silt coats on faces of peds; 5 percent gravel; noneffervescent; slightly acid (pH 6.2); vertical cracks 1/4 to 1/2 inch wide; gradual wavy boundary.
- 2Btss—16 to 45 inches; brown (10YR 5/3) silty clay, brown (10YR 4/3) moist; strong medium and coarse subangular blocky structure; hard, firm, very sticky, very plastic; few fine roots; common fine and medium tubular pores; 35 percent discontinuous, distinct, clay films on faces of peds and 35 percent discontinuous, distinct, slickensides (pedogenic) on faces of peds; 5 percent gravel; noneffervescent; slightly acid (pH 6.2); vertical cracks 1/4 to 1/2 inch wide; gradual wavy boundary.
- 2Btkss—45 to 60 inches; pale brown (10YR 6/3) silty clay, brown (10YR 5/3) moist; moderate medium and coarse subangular blocky structure; hard, firm, very sticky, very plastic; few fine roots; few fine and medium tubular pores; 35 percent discontinuous, distinct, clay films on faces of peds and 35 percent discontinuous, distinct, slickensides (pedogenic) on faces of peds; 10 percent fine and medium,

irregular, carbonate masses throughout; 2 percent gravel; strongly effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 27 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 1 to 8 percent gravel

Reaction: pH 6.1 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 18 to 27 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 2 to 10 percent gravel

Reaction: pH 6.1 to 7.3

AB horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 28 to 40 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 2 to 9 percent gravel

Reaction: pH 6.1 to 7.3

2Btss horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silty clay loam, clay, silty clay

Clay content: 35 to 60 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 1 to 9 percent gravel

Reaction: pH 6.1 to 7.3

2Btkss horizon(s):

Organic matter content: 0 to 0.20 percent

Texture (less than 2 mm): Clay, silty clay loam, silty clay

Clay content: 35 to 60 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 1 to 8 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.8 to 8.4

Suryon Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Soil Survey of Bear Lake County Area, Idaho

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Alluvium, slope alluvium, and/or colluvium derived from sandstone

Slope range: 4 to 50 percent

Elevation: 6,200 to 7,170 feet

Mean annual precipitation: 14 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Pachic Haploxerolls

Typical Pedon

Suryon loam; located in an area of Suryon loam, 4 to 12 percent slopes; in shrub cover; 970 feet east, 1,800 feet south of the northwest corner of section 3, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 24 minutes, 40.90 seconds north latitude and 111 degrees, 4 minutes, 14.70 seconds west longitude; UTM 494180 meters E, 4695453 meters N, zone 12 NAD83.

A1—0 to 4 inches; brown (7.5YR 4/2) loam, dark brown (7.5YR 3/2) moist; moderate thin platy structure parting to moderate fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine and common medium tubular pores; noneffervescent; neutral (pH 7.1); clear wavy boundary.

A2—4 to 10 inches; brown (7.5YR 4/2) loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure parting to moderate fine granular; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and coarse roots; many very fine and medium and common fine tubular pores; noneffervescent; neutral (pH 7.0); clear smooth boundary.

Bw1—10 to 17 inches; brown (7.5YR 4/3) loam, dark brown (7.5YR 3/3) moist; moderate very coarse prismatic structure parting to moderate fine and medium subangular blocky; hard, very friable, slightly sticky, slightly plastic; common very fine and few medium roots; many very fine and medium and common fine tubular pores; noneffervescent; slightly alkaline (pH 7.4); clear smooth boundary.

Bw2—17 to 29 inches; brown (7.5YR 4/2) loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure; hard, very friable, slightly sticky, slightly plastic; common very fine and few medium roots; many very fine and few fine and medium tubular pores; noneffervescent; slightly alkaline (pH 7.4); gradual wavy boundary.

Bw3—29 to 38 inches; brown (7.5YR 4/3) loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few medium roots; many very fine and few fine and medium tubular pores; noneffervescent; slightly alkaline (pH 7.4); gradual wavy boundary.

C1—38 to 49 inches; brown (7.5YR 4/3) loam, dark brown (7.5YR 3/2) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and few medium roots; many very fine and few fine and medium tubular pores; 5 percent gravel; noneffervescent; slightly alkaline (pH 7.4); gradual wavy boundary.

C2—49 to 60 inches; brown (7.5YR 4/3) gravelly loam, dark brown (7.5YR 3/2) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and medium roots; many very fine and few fine tubular pores; 15 percent gravel and 10 percent cobbles; noneffervescent; slightly alkaline (pH 7.4).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments: 0 to 5 percent gravel
Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments: 0 to 5 percent gravel
Reaction: pH 6.6 to 7.3

Bw1 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments: 0 to 12 percent gravel
Reaction: pH 6.6 to 7.8

Bw2 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments:

- 0 to 1 percent cobbles
- 0 to 15 percent gravel

Reaction: pH 6.6 to 7.8

Bw3 horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Loam
Clay content: 12 to 17 percent
Content of rock fragments:

- 0 to 1 percent cobbles
- 0 to 15 percent gravel

Reaction: pH 6.6 to 7.8

C1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam
Clay content: 10 to 15 percent
Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 12 percent gravel

Reaction: pH 6.6 to 7.8

C2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Loam
Clay content: 10 to 15 percent
Content of rock fragments:

- 3 to 10 percent cobbles
- 7 to 15 percent gravel

Reaction: pH 6.6 to 7.8

Swan Flat Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Loess influenced colluvium derived from limestone

Slope range: 10 to 50 percent

Elevation: 5,960 to 7,150 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Xeric Calcicryolls

Typical Pedon

Swan Flat silt loam; located in an area of Swan Flat-Dranburn complex, 10 to 50 percent slopes; in shrub cover; 2,355 feet north, 60 feet east of the southwest corner of section 10, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 13 minutes, 9.70 seconds north latitude and 111 degrees, 25 minutes, 29.90 seconds west longitude; UTM 464926 meters E, 4674220 meters N, zone 12 NAD83.

- A1—0 to 5 inches; dark grayish brown (10YR 4/2) silt loam, very dark brown (10YR 2/2) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many fine irregular pores; 5 percent channers; slightly effervescent; slightly alkaline (pH 7.4); gradual wavy boundary.
- A2—5 to 9 inches; grayish brown (10YR 5/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine and few medium roots; many fine irregular pores; 5 percent channers; slightly effervescent; slightly alkaline (pH 7.6); clear wavy boundary.
- Bk1—9 to 15 inches; brown (10YR 5/3) channery silt loam, dark brown (10YR 3/3) moist; single grain; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium roots; many fine tubular pores; 1 percent fine carbonate nodules in matrix; 25 percent channers; strongly effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.
- Bk2—15 to 30 inches; pale brown (10YR 6/3) very channery silt loam, dark grayish brown (10YR 4/2) moist; moderate fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and few fine roots; common fine tubular pores; 1 percent fine carbonate nodules in matrix; 30 percent channers and 5 percent flagstones; strongly effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.
- Bk3—30 to 56 inches; pale brown (10YR 6/3) very channery silt loam, brown (10YR 5/3) moist; weak fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; common very fine and few fine roots; few fine tubular pores; 10 percent fine carbonate nodules in matrix; 45 percent channers and 5 percent flagstones; violently effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.
- Bk4—56 to 60 inches; very pale brown (10YR 8/3) very flaggy silt loam, pale brown (10YR 6/3) moist; weak coarse prismatic structure; soft, very friable, nonsticky, nonplastic; few very fine roots; few fine irregular pores; 1 percent fine carbonate masses in matrix; 30 percent channers and 15 percent flagstones; violently effervescent; moderately alkaline (pH 8.2); gradual wavy boundary.

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments:

- 0 to 5 percent flagstones
- 5 to 10 percent channers

Calcium-carbonate equivalent: 2 to 10 percent

Reaction: pH 7.4 to 8.0

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 18 to 24 percent

Content of rock fragments:

- 0 to 5 percent flagstones
- 5 to 10 percent channers

Calcium-carbonate equivalent: 2 to 10 percent

Reaction: pH 7.6 to 8.0

Bk1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy loam, silt loam

Clay content: 10 to 17 percent

Content of rock fragments:

- 0 to 5 percent flagstones
- 20 to 30 percent channers

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Content of rock fragments:

- 5 to 10 percent flagstones
- 30 to 45 percent channers

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Bk3 horizon(s):

Organic matter content: 0 to 0.20 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Content of rock fragments:

- 5 to 10 percent flagstones
- 35 to 45 percent channers

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Bk4 horizon(s):

Organic matter content: 0 to 0.20 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 17 percent

Content of rock fragments:

- 5 to 15 percent flagstones
- 30 to 40 percent channers

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 7.8 to 8.4

Swanpeak Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Fan remnants, hillslopes, mountain slopes

Parent material: Loess influenced clayey alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 35 percent

Elevation: 5,930 to 7,180 feet

Mean annual precipitation: 14 to 24 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Clayey-skeletal, smectitic, frigid Vertic Argixerolls

Typical Pedon

Swanpeak cobbly loam; located in an area of Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes; in shrub cover; 305 feet east, 50 feet north of the southwest corner of section 15, T 16 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 1 minutes, 47.10 seconds north latitude and 111 degrees, 25 minutes, 25.20 seconds west longitude; UTM 464930 meters E, 4653166 meters N, zone 12 NAD83.

A1—0 to 6 inches; dark grayish brown (10YR 4/2) cobbly loam, very dark brown (10YR 2/2) moist; strong fine granular structure; slightly hard, very friable, slightly sticky, slightly plastic; few fine and common very fine roots; many very fine irregular pores; 10 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 7.0); abrupt smooth boundary.

A2—6 to 15 inches; dark grayish brown (10YR 4/2) silty clay loam, very dark brown (10YR 2/2) moist; strong medium granular structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine and few fine and medium roots; many very fine and common fine and medium irregular pores; 10 percent gravel; noneffervescent; neutral (pH 6.9); clear wavy boundary.

AB—15 to 18 inches; brown (10YR 4/3) cobbly silty clay loam, dark brown (10YR 3/3) moist; strong fine granular structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine roots; many very fine tubular and common very fine irregular pores; 35 percent faint clay films on faces of peds; 10 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 7.2); clear wavy boundary.

Bt1—18 to 24 inches; brown (7.5YR 5/4) very cobbly clay, brown (7.5YR 4/4) moist; moderate coarse prismatic structure and strong medium subangular blocky; hard, friable, moderately sticky, very plastic; few fine and common very fine roots; common very fine tubular and common very fine irregular pores; 70 percent prominent clay films on faces of peds; 15 percent gravel and 20 percent cobbles; noneffervescent; neutral (pH 7.2); clear wavy boundary.

Bt2—24 to 35 inches; light brown (7.5YR 6/4) very cobbly clay, brown (7.5YR 4/4) moist; moderate coarse prismatic structure parting to strong medium subangular blocky; hard, friable, very sticky, very plastic; few very fine and fine roots;

common very fine tubular and irregular pores; 70 percent prominent clay films on faces of peds; 15 percent gravel, 20 percent cobbles, and 5 percent stones; noneffervescent; neutral (pH 7.2); gradual wavy boundary.

Bt3—35 to 60 inches; light brown (7.5YR 6/4) extremely cobbly clay, brown (7.5YR 5/4) moist; strong medium subangular blocky structure; very hard, firm, very sticky, very plastic; few very fine roots; common very fine irregular and few very fine tubular pores; 70 percent prominent clay films on faces of peds; 20 percent gravel, 35 percent cobbles, and 10 percent stones; noneffervescent; neutral (pH 7.3).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 20 to 26 percent

Content of rock fragments:

- 0 to 5 percent stones
- 7 to 10 percent cobbles
- 8 to 15 percent gravel

Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Clay loam, silty clay loam

Clay content: 30 to 35 percent

Content of rock fragments:

- 0 to 5 percent stones
- 0 to 5 percent cobbles
- 8 to 15 percent gravel

Reaction: pH 6.6 to 7.3

AB horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silty clay loam, clay loam

Clay content: 30 to 35 percent

Content of rock fragments:

- 0 to 10 percent stones
- 5 to 16 percent cobbles
- 10 to 15 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay loam, silty clay loam, clay

Clay content: 35 to 55 percent

Content of rock fragments:

- 0 to 5 percent stones
- 20 to 30 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay, silty clay, silty clay loam, clay loam

Clay content: 35 to 55 percent

Content of rock fragments:

- 0 to 10 percent stones
- 20 to 30 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.6 to 7.3

Bt3 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Clay loam, clay, silty clay, silty clay loam

Clay content: 35 to 55 percent

Content of rock fragments:

- 8 to 15 percent stones
- 25 to 38 percent cobbles
- 15 to 25 percent gravel

Reaction: pH 6.6 to 7.3

Sweetcreek Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Ridges

Parent material: Slope alluvium derived from calcareous sandstone

Slope range: 3 to 15 percent

Elevation: 6,870 to 7,700 feet

Mean annual precipitation: 15 to 18 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Fine-loamy, mixed, superactive Xeric Haplocryalfs

Typical Pedon

Sweetcreek silt loam; located in an area of Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes; in shrub cover; 1,100 feet east, 1,650 feet north of the southwest corner of section 27, T 15 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 5 minutes, 12.20 seconds north latitude and 111 degrees, 4 minutes, 7.40 seconds west longitude; UTM 494317 meters E, 4659406 meters N, zone 12 NAD83.

A—0 to 2 inches; dark reddish brown (5YR 3/2) silt loam, dark reddish brown (5YR 2/2) moist; weak thick platy structure; soft, very friable, slightly sticky, slightly plastic; common very fine, fine, medium, and coarse roots; common very fine interstitial and tubular pores; very slightly effervescent; slightly alkaline (pH 7.6); abrupt smooth boundary.

Bt—2 to 11 inches; reddish brown (2.5YR 4/4) silt loam, dark reddish brown (2.5YR 3/4) moist; weak medium subangular blocky structure; slightly hard, very friable, moderately sticky, moderately plastic; common very fine, fine, medium, and coarse roots; common very fine interstitial and tubular pores; 2 percent patchy, faint clay films on faces of peds and in pores; 10 percent gravel; slightly effervescent; slightly alkaline (pH 7.8); clear wavy boundary.

Btk1—11 to 18 inches; reddish brown (2.5YR 5/4) gravelly clay loam, reddish brown (2.5YR 4/4) moist; weak coarse prismatic structure parting to moderate fine subangular blocky; hard, friable, moderately sticky, moderately plastic; common very fine, fine, medium, and coarse roots; common very fine and fine tubular

- pores; 2 percent patchy, faint clay films on faces of peds and in pores; 1 percent fine, irregular, carbonate threads; 5 percent gravel and 12 percent cobbles; strongly effervescent; moderately alkaline (pH 8.0); clear smooth boundary.
- Btk2—18 to 24 inches; reddish brown (2.5YR 5/4) silty clay loam, red (2.5YR 4/6) moist; moderate fine subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine, fine, medium, and coarse roots; common very fine and fine tubular pores; 3 percent patchy, faint clay films on faces of peds and in pores; 1 percent fine, irregular, carbonate threads; 5 percent gravel; strongly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.
- Bk—24 to 39 inches; light reddish brown (2.5YR 6/4) silt loam, red (2.5YR 5/6) moist; moderate fine and medium subangular blocky structure; very hard, very firm, moderately sticky, slightly plastic; common very fine, fine, and medium roots; common very fine tubular pores; 3 percent medium and coarse platy carbonate masses; 5 percent gravel; violently effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.
- Cr1—39 to 45 inches; light reddish brown (2.5YR 6/4) loam from weathering bedrock, reddish brown (2.5YR 4/4) moist; massive; hard, firm, slightly sticky, slightly plastic; 3 percent fine, irregular, carbonate threads; strongly effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.
- Cr2—45 to 48 inches; light reddish brown (2.5YR 6/4) very fine sandy loam from weathering bedrock, reddish brown (2.5YR 5/4) moist; massive; very hard, very firm, nonsticky, nonplastic; 2 percent fine irregular carbonate threads; strongly effervescent; moderately alkaline (pH 8.2); abrupt wavy boundary.
- Cr3—48 to 60 inches; reddish brown (2.5YR 5/4) sandy loam from weathering bedrock, red (2.5YR 4/6) moist; massive; very hard, very firm, nonsticky, nonplastic; 1 percent fine, irregular carbonate threads; strongly effervescent; moderately alkaline (pH 8.4).

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 11 to 26 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 0 to 10 percent gravel

Calcium-carbonate equivalent: 0 to 10 percent

Reaction: pH 6.6 to 7.8

Bk horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 15 to 25 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 3 to 13 percent gravel

Calcium-carbonate equivalent: 15 to 40 percent

Reaction: pH 7.9 to 8.6

Bt horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam, clay loam, silt loam

Clay content: 24 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 0 to 14 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.2

Btk1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay loam, silt loam

Clay content: 24 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 7 to 18 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

Btk2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay loam, silt loam

Clay content: 24 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 17 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.6 to 8.4

Cr horizon(s):

Texture: Bedrock

Taylow Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium over residuum weathered from sandstone and siltstone

Slope range: 15 to 60 percent

Elevation: 6,010 to 7,600 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Loamy, mixed, superactive, frigid Lithic Haploxerolls

Typical Pedon

Taylow loam; located in an area of Sheep Creek-Taylow-Dry Canyon complex, 5 to 60 percent slopes; in shrub cover; 555 feet south, 2,315 feet west of the northeast corner of section 26, T 15 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 5 minutes, 40.50 seconds north latitude and 111 degrees, 9 minutes, 31.40 seconds west longitude; UTM 486875 meters E, 4660289 meters N, zone 12 NAD83.

A—0 to 6 inches; reddish gray (5YR 5/2) loam, dark reddish brown (5YR 3/3) moist; strong fine granular structure; soft, very friable, nonsticky, nonplastic; many very

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fine, fine, and medium roots; many very fine and fine interstitial pores; 5 percent gravel; noneffervescent; moderately acid (pH 6.0); clear wavy boundary.
Bw—6 to 13 inches; reddish brown (5YR 4/4) loam, dark reddish brown (5YR 3/4) moist; moderate fine subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, and medium roots; many fine interstitial pores; 10 percent gravel; noneffervescent; slightly acid (pH 6.4); abrupt wavy boundary.
R—13 to 60 inches; indurated red sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

A horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 18 to 25 percent

Content of rock fragments:

- 0 to 3 percent cobbles
- 0 to 9 percent gravel

Reaction: pH 5.8 to 7.0

Bw horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam, sandy loam, silt loam

Clay content: 18 to 27 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 7 to 17 percent gravel

Reaction: pH 6.0 to 7.0

R horizon(s):

Texture: Bedrock

Thatcher Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes, plateaus

Parent material: Loess influenced alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 30 percent

Elevation: 5,920 to 7,260 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Thatcher silt loam; located in an area of Thatcher-Joes complex, 1 to 4 percent slopes; in cropland; 900 feet east, 500 feet north of the southwest corner of section 22, T 12 S., R 46 E.; Geneva, Idaho USGS quadrangle; 42 degrees, 21 minutes, 35.70 seconds north latitude and 111 degrees, 4 minutes, 15.80 seconds west longitude; UTM 494148 meters E, 4689743 meters N, zone 12 NAD83.

- A—0 to 10 inches; brown (7.5YR 4/4) silt loam, dark brown (7.5YR 3/2) moist; moderate fine and medium granular structure; slightly hard, friable, moderately sticky, moderately plastic; common very fine and few fine roots; many very fine interstitial and common very fine tubular pores; carbonate, finely disseminated throughout; very slightly effervescent; slightly alkaline (pH 7.8); abrupt smooth boundary.
- Bt1—10 to 19 inches; strong brown (7.5YR 4/6) silty clay loam, dark brown (7.5YR 3/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; common very fine and few fine roots; common very fine and fine tubular and irregular pores; 60 percent discontinuous, faint clay films on faces of peds and in pores; noneffervescent; slightly alkaline (pH 7.8); gradual wavy boundary.
- Bt2—19 to 28 inches; strong brown (7.5YR 4/6) silty clay loam, dark brown (7.5YR 3/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; few very fine and fine roots; common very fine irregular and few very fine and fine tubular pores; 15 percent discontinuous, faint clay films on faces of peds and in pores; noneffervescent; slightly alkaline (pH 7.8); clear wavy boundary.
- Bk1—28 to 42 inches; yellowish red (5YR 5/6) silty clay loam, yellowish red (5YR 4/6) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky, moderately plastic; few very fine roots; common very fine and fine irregular and few very fine and fine tubular pores; carbonate, finely disseminated throughout and 10 percent fine, irregular, weakly cemented lime masses and 10 percent fine, irregular, weakly cemented carbonate threads; strongly effervescent; moderately alkaline (pH 8.1); gradual wavy boundary.
- Bk2—42 to 60 inches; reddish yellow (5YR 6/6) silt loam, yellowish red (5YR 4/6) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; few very fine and fine irregular and tubular pores; carbonate, finely disseminated throughout and 10 percent fine, irregular, extremely weakly cemented lime masses throughout and 10 percent fine, irregular, extremely weakly cemented carbonate threads throughout; violently effervescent; moderately alkaline (pH 8.3).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 16 to 26 percent

Content of rock fragments: 0 to 5 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.1 to 7.8

Bt1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Silt loam, silty clay loam, clay loam

Clay content: 25 to 35 percent

Content of rock fragments: 0 to 6 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.4 to 7.8

Bt2 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Clay loam, silt loam, silty clay loam

Clay content: 25 to 35 percent

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Content of rock fragments: 0 to 6 percent gravel

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.6 to 7.8

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam, silt loam, loam

Clay content: 25 to 35 percent

Content of rock fragments: 0 to 10 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 1 to 3

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Loam, silty clay loam, silt loam

Clay content: 18 to 32 percent

Content of rock fragments: 0 to 10 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Electrical conductivity (mmhos/cm): 1 to 3

Reaction: pH 7.9 to 8.6

Thatcherflats Series

Depth class: Very deep

Drainage class: Moderately well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Very low

Landform: Stream terraces

Parent material: Loess influenced mixed alluvium

Slope range: 0 to 2 percent

Elevation: 5,930 to 6,190 feet

Mean annual precipitation: 13 to 16 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-silty, mixed, superactive, frigid Typic Natrixeralfs

Typical Pedon

Thatcherflats silt loam; located in an area of Thatcherflats silt loam, 0 to 2 percent slopes; in shrub cover; 250 feet east, 400 feet south of the northwest corner of section 15, T 11 S., R 40 E.; Thatcher Hill, Idaho USGS quadrangle; 42 degrees, 28 minutes, 25.50 seconds north latitude and 111 degrees, 46 minutes, 44.90 seconds west longitude; UTM 435954 meters E, 4702673 meters N, zone 12 NAD83.

A1—0 to 2 inches; pale brown (10YR 6/3) silt loam, dark brown (10YR 3/3) moist; strong very thin platy structure; soft, very friable, slightly sticky, slightly plastic; common very fine roots; common very fine and fine irregular pores; carbonate, finely disseminated throughout; very slightly effervescent; moderately alkaline (pH 8.0); abrupt smooth boundary.

A2—2 to 5 inches; light yellowish brown (10YR 6/4) silt loam, brown (10YR 4/3) moist; strong thick platy structure parting to moderate medium platy; hard, friable, slightly sticky, slightly plastic; common very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout; slightly effervescent; strongly alkaline (pH 8.5); abrupt wavy boundary.

Btn—5 to 9 inches; brown (10YR 5/3) silty clay, dark grayish brown (10YR 4/2) moist; strong medium columnar structure parting to strong fine and medium angular blocky; hard, friable, moderately sticky, moderately plastic; common very fine roots between peds; few very fine tubular pores; 75 percent continuous, distinct clay films on vertical faces of peds; carbonate, finely disseminated throughout; slightly effervescent; strongly alkaline (pH 8.6); abrupt smooth boundary.

Btkn1—9 to 11 inches; very pale brown (10YR 8/2) silt loam, yellowish brown (10YR 5/4) moist; moderate fine angular blocky structure; hard, firm, moderately sticky, moderately plastic; few very fine roots; common very fine and fine tubular pores; 30 percent discontinuous, distinct clay films on surfaces along pores and 45 percent discontinuous, distinct clay films on vertical faces of peds; carbonate, finely disseminated throughout; strongly effervescent; very strongly alkaline (pH 9.4); clear wavy boundary.

Btkn2—11 to 25 inches; very pale brown (10YR 7/3) silt loam, yellowish brown (10YR 5/4) moist; moderate fine and medium angular blocky structure; hard, friable, moderately sticky, moderately plastic; few very fine roots; common very fine tubular pores; 30 percent discontinuous, distinct clay films on surfaces along pores and 55 percent discontinuous, distinct clay films on vertical faces of peds; carbonate, finely disseminated throughout and 1 percent fine faint threadlike very weakly cemented carbonate masses with sharp boundaries throughout; strongly effervescent; very strongly alkaline (pH 9.4); gradual smooth boundary.

Bkn1—25 to 45 inches; very pale brown (10YR 7/3) silt loam, light yellowish brown (10YR 6/4) moist; massive; hard, friable, moderately sticky, moderately plastic; few very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout and 1 percent fine, faint, threadlike, very weakly cemented carbonate masses with sharp boundaries throughout; strongly effervescent; strongly alkaline (pH 9.0); gradual smooth boundary.

Bkn2—45 to 56 inches; very pale brown (10YR 7/3) silt loam, light yellowish brown (10YR 6/4) moist; massive; hard, friable, slightly sticky, slightly plastic; few very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout; strongly effervescent; strongly alkaline (pH 9.0); gradual smooth boundary.

Bkn3—56 to 60 inches; very pale brown (10YR 7/3) silt loam, light yellowish brown (10YR 6/4) moist; massive; slightly hard, friable, slightly sticky, slightly plastic; few very fine roots; common very fine tubular pores; 1 percent fine, distinct, irregular, very weakly cemented masses of oxidized iron throughout; carbonate, finely disseminated throughout; strongly effervescent; strongly alkaline (pH 8.9).

Range in Characteristics

Depth to restrictive feature: 2 to 7 inches to natric

Water Features

Seasonal high water table:

- Month(s): March, April, May, June, July
- Depth: 40 to 60 inches

A1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 11 to 18 percent

Calcium-carbonate equivalent: 0 to 5 percent

Sodium-adsorption ratio: 5 to 15

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.5

A2 horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silt loam
Clay content: 11 to 18 percent
Calcium-carbonate equivalent: 0 to 5 percent
Sodium-adsorption ratio: 5 to 15
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.9 to 8.6

Btn horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silty clay, silty clay loam
Clay content: 28 to 45 percent
Calcium-carbonate equivalent: 0 to 5 percent
Sodium-adsorption ratio: 20 to 30
Electrical conductivity (mmhos/cm): 2 to 4
Reaction: pH 8.5 to 9.0

Btkn1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 25 to 35 percent
Calcium-carbonate equivalent: 5 to 25 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 45 to 120
Electrical conductivity (mmhos/cm): 4 to 8
Reaction: pH 8.5 to 9.6

Btkn2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam, silty clay loam
Clay content: 25 to 35 percent
Calcium-carbonate equivalent: 5 to 25 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 45 to 120
Electrical conductivity (mmhos/cm): 4 to 8
Reaction: pH 8.5 to 9.6

Bkn1 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam
Clay content: 15 to 25 percent
Calcium-carbonate equivalent: 20 to 35 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 75 to 95
Electrical conductivity (mmhos/cm): 4 to 8
Reaction: pH 8.5 to 9.4

Bkn2 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam
Clay content: 15 to 25 percent
Calcium-carbonate equivalent: 20 to 35 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 75 to 95
Electrical conductivity (mmhos/cm): 4 to 8
Reaction: pH 8.5 to 9.4

Bkn3 horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Silt loam
Clay content: 15 to 25 percent
Calcium-carbonate equivalent: 20 to 35 percent
Gypsum: 0 to 5 percent
Sodium-adsorption ratio: 75 to 95
Electrical conductivity (mmhos/cm): 4 to 8
Reaction: pH 8.5 to 9.4

Thomasfork Series

Depth class: Very deep
Drainage class: Poorly drained
Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low
Landform: Flood plains
Parent material: Mixed fine textured alluvium
Slope range: 0 to 2 percent
Elevation: 5,840 to 6,390 feet
Mean annual precipitation: 13 to 18 inches
Mean annual air temperature: 39 to 43 degrees F
Frost-free period: 70 to 90 days

Taxonomic class: Fine, smectitic, frigid Fluvaquentic Vertic Endoaquolls

Typical Pedon

Thomasfork silty clay loam; located in an area of Thomasfork silty clay loam, 0 to 2 percent slopes; in cropland; 1,700 feet west, 200 feet south of the northeast corner of section 15, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 23 minutes, 12.60 seconds north latitude and 111 degrees, 3 minutes, 40.60 seconds west longitude; UTM 494956 meters E, 4692728 meters N, zone 12 NAD83.

A1—0 to 2 inches; dark gray (10YR 4/1) silty clay loam, black (10YR 2/1) moist; strong fine granular structure; hard, very friable, moderately sticky, moderately plastic; common very fine and few medium roots; many very fine and few coarse irregular pores; carbonate, finely disseminated; strongly effervescent; slightly alkaline (pH 7.7); vertical cracks 0.5 to 1 inch wide and 12 to 18 inches apart; abrupt smooth boundary.

A2—2 to 10 inches; dark gray (10YR 4/1) silty clay loam, black (10YR 2/1) moist; strong very coarse prismatic structure parting to moderate fine and medium subangular blocky; hard, very friable, moderately sticky, moderately plastic; common very fine roots; many very fine irregular and tubular and few coarse irregular pores; carbonate, finely disseminated; strongly effervescent; neutral (pH 7.1); vertical cracks 0.5 to 1 inch wide and 12 to 18 inches apart; abrupt smooth boundary.

AB—10 to 16 inches; 70 percent dark gray (10YR 4/1) and 30 percent grayish brown (10YR 5/2) silty clay loam, very dark gray (10YR 3/1) moist; moderate medium and coarse subangular blocky structure parting to strong fine and medium granular; hard, friable, moderately sticky, moderately plastic; common very fine roots; many very fine tubular and few coarse irregular pores; 1 percent fine, prominent, irregular, dark brown (7.5YR 3/4) moist, iron-manganese masses throughout; carbonate, finely disseminated; slightly effervescent; slightly alkaline (pH 7.8); vertical cracks 0.5 to 1 inch wide and 12 to 18 inches apart; clear wavy boundary.

Bg1—16 to 21 inches; 55 percent dark gray (10YR 4/1) and 45 percent pale brown (10YR 6/3) silty clay loam, very dark grayish brown (10YR 3/2) moist; strong medium and coarse subangular blocky structure; hard, very friable, moderately sticky, moderately plastic; few fine and common very fine roots; few fine and medium and many very fine tubular and few coarse irregular pores; 1 percent fine, prominent, irregular, dark brown (7.5YR 3/4) moist, iron-manganese masses throughout and 10 percent fine and medium, prominent, irregular, black (N 2/) moist, manganese masses throughout; carbonate, finely disseminated; strongly effervescent; slightly alkaline (pH 7.8); vertical cracks .5 to 1 inch wide and 12 to 18 inches apart; gradual wavy boundary.

Bg2—21 to 28 inches; pale brown (10YR 6/3) silty clay loam, dark brown (10YR 3/3) moist; moderate medium and coarse subangular blocky structure; hard, very friable, moderately sticky, moderately plastic; common very fine and fine roots; many very fine and few fine and medium tubular pores; 10 percent fine, distinct, irregular, dark brown (7.5YR 3/4) moist, iron-manganese masses throughout and 10 percent fine and medium, prominent, irregular, black (N 2/) moist, manganese masses throughout; carbonate, finely disseminated; violently effervescent; slightly alkaline (pH 7.8); gradual wavy boundary.

2Agb—28 to 35 inches; very dark grayish brown (10YR 3/2) silty clay loam, black (N 2/0) moist; moderate medium and coarse subangular blocky structure parting to weak fine granular; hard, very friable, moderately sticky, very plastic; common very fine roots; common very fine and fine tubular pores; 10 percent fine, distinct, irregular, brown (7.5YR 4/3) moist, iron-manganese masses throughout; noneffervescent; slightly alkaline (pH 7.6); gradual wavy boundary.

2Btgb—35 to 48 inches; gray (10YR 5/1) silty clay, dark gray (10YR 4/1) moist; moderate medium and coarse subangular blocky structure parting to strong fine angular blocky; very hard, friable, moderately sticky, very plastic; common very fine tubular pores; 25 percent fine and medium, prominent, irregular, dark brown (7.5YR 3/4) moist, iron-manganese masses throughout; noneffervescent; slightly alkaline (pH 7.7); clear wavy boundary.

3C—48 to 60 inches; pale brown (10YR 6/3) very fine sandy loam, dark grayish brown (10YR 4/2) moist; massive; hard, friable, slightly sticky, slightly plastic; common very fine and few fine tubular pores; noneffervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

Water Features

Seasonal high water table:

- Month(s): January, February, March, April, May, December
- Depth: 10 to 20 inches

Flooding:

- Month(s): January, February, March, April, May
- Frequency: Rare

A1 horizon(s):

Organic matter content: 4 to 7 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 35 to 39 percent

Calcium-carbonate equivalent: 2 to 15 percent

Sodium-adsorption ratio: 0 to 5

Reaction: pH 7.5 to 7.8

A2 horizon(s):

Organic matter content: 4 to 7 percent

Texture (less than 2 mm): Silty clay loam

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Clay content: 35 to 39 percent
Calcium-carbonate equivalent: 2 to 15 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.5 to 7.8

AB horizon(s):

Organic matter content: 2 to 5 percent
Texture (less than 2 mm): Silty clay loam, silty clay, clay
Clay content: 35 to 45 percent
Calcium-carbonate equivalent: 5 to 35 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.6 to 8.4

Bg1 horizon(s):

Organic matter content: 2 to 5 percent
Texture (less than 2 mm): Clay, silty clay, silty clay loam
Clay content: 35 to 45 percent
Calcium-carbonate equivalent: 5 to 35 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.6 to 8.4

Bg2 horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silty clay, silty clay loam, clay
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 0 to 30 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.4 to 8.4

2Agb horizon(s):

Organic matter content: 1 to 3 percent
Texture (less than 2 mm): Silty clay, silty clay loam, clay
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 0 to 30 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.4 to 8.4

2Btgb horizon(s):

Organic matter content: 0.50 to 2 percent
Texture (less than 2 mm): Silty clay, silty clay loam, clay
Clay content: 35 to 50 percent
Calcium-carbonate equivalent: 0 to 30 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.4 to 8.4

3C horizon(s):

Organic matter content: 0 to 0.50 percent
Texture (less than 2 mm): Very fine sandy loam, silt loam
Clay content: 12 to 18 percent
Content of rock fragments: 0 to 17 percent gravel
Calcium-carbonate equivalent: 0 to 20 percent
Sodium-adsorption ratio: 0 to 5
Reaction: pH 7.4 to 8.4

Toponce Series

Depth class: Very deep
Drainage class: Well drained

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Capacity of the most limiting soil layer to transmit water (Ksat): Moderately low

Landform: Hillslopes, mountain slopes

Parent material: Clayey slope alluvium and/or colluvium derived from metasedimentary and/or sedimentary rock

Slope range: 4 to 40 percent

Elevation: 6,040 to 7,090 feet

Mean annual precipitation: 18 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 50 to 70 days

Note: Toponce soils mapped in the Bear Lake County Area have a xeric moisture regime as compared to the typical Toponce series that has a udic moisture regime.

Taxonomic class: Fine, smectitic Vertic Argicryolls

Typical Pedon

Toponce silt loam; located in an area of Bailcreek-Toponce complex, 4 to 20 percent slopes; in shrub cover; about 1,815 feet west, 1,760 feet north of the southeast corner of section 17, T 10 S., R 42 E.; Soda Peak, Idaho USGS quadrangle; 42 degrees, 33 minutes, 5.60 seconds north latitude and 111 degrees, 34 minutes, 15.80 seconds west longitude; UTM 453118 meters E, 4711176 meters N, zone 12 NAD83.

A—0 to 3 inches; dark grayish brown (10YR 4/2) silt loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine interstitial pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.3); clear smooth boundary.

Bt1—3 to 20 inches; brown (10YR 4/3) silty clay, dark brown (10YR 3/3) moist; strong very fine and fine subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common very fine tubular and few very fine interstitial pores; 5 percent discontinuous, faint, clay films on faces of peds and in pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.1); clear wavy boundary.

Bt2—20 to 24 inches; brown (10YR 5/3) silty clay, brown (10YR 4/3) moist; moderate medium prismatic structure parting to strong medium angular blocky; very hard, very firm, moderately sticky, moderately plastic; common very fine and few fine and medium roots between peds; common very fine tubular pores; 30 percent discontinuous, distinct, clay films on faces of peds and in pores; 5 percent gravel; noneffervescent; moderately acid (pH 5.8); gradual wavy boundary.

Bt3—24 to 36 inches; yellowish brown (10YR 5/4) clay, dark yellowish brown (10YR 4/4) moist; strong coarse prismatic structure; extremely hard, extremely firm, very sticky, very plastic; few very fine, fine, and medium roots between peds; common very fine tubular pores; 35 percent discontinuous, distinct, clay films on faces of peds and in pores; 5 percent gravel; noneffervescent; slightly acid (pH 6.1); gradual wavy boundary.

Bt4—36 to 60 inches; light yellowish brown (10YR 6/4) clay, yellowish brown (10YR 5/4) moist; moderate coarse prismatic structure; extremely hard, extremely firm, very sticky, very plastic; few very fine roots between peds; common very fine tubular pores; 35 percent discontinuous, distinct, clay films on faces of peds and in pores; noneffervescent; moderately acid (pH 5.9).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 4 to 6 percent

Texture (less than 2 mm): Silt loam

Clay content: 12 to 20 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 0 to 6 percent gravel

Reaction: pH 6.1 to 6.5

Bt1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Clay, silty clay loam, silty clay

Clay content: 35 to 55 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 1 percent cobbles
- 0 to 6 percent gravel

Reaction: pH 5.6 to 6.5

Bt2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay, silty clay

Clay content: 35 to 55 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 1 percent cobbles
- 0 to 6 percent gravel

Reaction: pH 5.6 to 6.5

Bt3 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay loam, silty clay, clay

Clay content: 35 to 55 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 1 percent cobbles
- 0 to 6 percent gravel

Reaction: pH 5.6 to 6.5

Bt4 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silty clay, clay, silty clay loam

Clay content: 35 to 55 percent

Content of rock fragments:

- 0 to 1 percent stones
- 0 to 1 percent cobbles
- 0 to 6 percent gravel

Reaction: pH 5.6 to 6.5

Tubbs Hollow Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes, mountain slopes

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Parent material: Mixed gravelly slope alluvium and/or colluvium over residuum weathered from sandstone and siltstone

Slope range: 2 to 60 percent

Elevation: 6,010 to 7,850 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Xeric Haplocrypts

Typical Pedon

Tubbs Hollow gravelly loam; located in an area of Chokecherry-Tubbs Hollow-Sheep Creek, dry complex, 3 to 60 percent slopes; in shrub cover; 2,000 feet north, 150 feet east of the southwest corner of section 23, T 13 S., R 45 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 16 minutes, 33.70 seconds north latitude and 111 degrees, 10 minutes, 12.30 seconds west longitude; UTM 485976 meters E, 4680438 meters N, zone 12 NAD83.

A—0 to 3 inches; brown (7.5YR 5/4) gravelly loam, dark brown (7.5YR 3/3) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine, fine, and, medium roots; many very fine and fine interstitial pores; 20 percent gravel; noneffervescent; neutral (pH 6.7); clear smooth boundary.

Bw1—3 to 12 inches; brown (7.5YR 5/4) gravelly loam, dark brown (7.5YR 3/4) moist; moderate medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; many very fine, fine, and medium roots; many very fine and fine interstitial and tubular pores; 30 percent gravel; noneffervescent; neutral (pH 6.6); clear smooth boundary.

Bw2—12 to 25 inches; strong brown (7.5YR 5/6) extremely cobbly loam, brown (7.5YR 4/4) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, nonplastic; common very fine and fine roots; many very fine and fine tubular pores; 15 percent gravel, 60 percent cobbles, and 10 percent stones; noneffervescent; slightly acid (pH 6.4).

R—25 to 60 inches; indurated red sandstone bedrock, fractured at intervals of 4 to less than 18 inches.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Note: Some pedons may have thin C or Cr horizons.

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 10 to 30 percent gravel

Reaction: pH 6.6 to 7.3

Bw1 horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

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Content of rock fragments:

- 0 to 5 percent cobbles
- 25 to 40 percent gravel

Reaction: pH 6.6 to 7.3

Bw2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 5 to 10 percent stones
- 35 to 60 percent cobbles
- 12 to 25 percent gravel

Reaction: pH 6.1 to 7.3

R horizon(s):

Texture: Bedrock

Vicking Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes, mountain slopes, plateaus

Parent material: Loess influenced mixed alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 40 percent

Elevation: 5,900 to 7,490 feet

Mean annual precipitation: 13 to 24 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Calcic Argixerolls

Typical Pedon

Vicking silt loam; located in an area of Vicking silt loam, dry, 2 to 12 percent slopes; in barren land; 1,275 feet west, 1,260 feet north of the southeast corner of section 9, T 16 S., R 45 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 2 minutes, 52.10 seconds north latitude and 111 degrees, 11 minutes, 33.90 seconds west longitude; UTM 484109 meters E, 4655102 meters N, zone 12 NAD83.

A—0 to 8 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; moderate very thick platy structure parting to moderate fine and medium subangular blocky; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine irregular and few very fine tubular pores; 10 percent gravel; noneffervescent; slightly alkaline (pH 7.8); abrupt smooth boundary.

Bt—8 to 18 inches; brown (10YR 5/3) gravelly silty clay loam, dark brown (10YR 3/3) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine and fine roots; many very fine irregular and few very fine tubular pores; 35 percent distinct clay films on faces of peds and in pores; 20 percent gravel; noneffervescent; slightly alkaline (pH 7.8); clear smooth boundary.

Btk—18 to 31 inches; pale brown (10YR 6/3) silty clay loam, brown (10YR 4/3) moist; moderate medium subangular blocky structure; hard, friable, moderately sticky,

moderately plastic; few very fine and fine roots; few very fine and fine tubular pores; 5 percent fine, irregular, weakly cemented, lime masses and 5 percent fine, threadlike, weakly cemented, carbonate threads; 10 percent gravel; slightly effervescent; moderately alkaline (pH 8.0); clear smooth boundary.

Bk1—31 to 43 inches; very pale brown (10YR 8/3) silt loam, pale brown (10YR 6/3) moist; massive; hard, friable, slightly sticky, moderately plastic; few very fine and fine roots; common very fine and few fine tubular pores; 15 percent fine and medium, irregular, weakly cemented, lime masses; violently effervescent; moderately alkaline (pH 8.2); gradual smooth boundary.

Bk2—43 to 61 inches; very pale brown (10YR 8/2) silt loam, light gray (10YR 7/2) moist; massive; soft, very friable, slightly sticky, slightly plastic; few very fine roots; many very fine and fine tubular pores; 20 percent fine, irregular, weakly cemented, lime masses; violently effervescent; moderately alkaline (pH 8.3).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 24 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 2 to 11 percent gravel

Reaction: pH 7.4 to 8.0

Bt horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 27 to 34 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 12 to 25 percent gravel

Reaction: pH 7.4 to 8.0

Btk horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Silty clay loam

Clay content: 27 to 34 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 7 to 20 percent gravel

Calcium-carbonate equivalent: 2 to 10 percent

Reaction: pH 7.7 to 8.4

Bk1 horizon(s):

Organic matter content: 0 to 0.75 percent

Texture (less than 2 mm): Silt loam, loam

Clay content: 18 to 26 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 5 to 19 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 8.0 to 8.5

Bk2 horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 18 to 26 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 5 to 19 percent gravel

Calcium-carbonate equivalent: 15 to 35 percent

Reaction: pH 8.0 to 8.6

Vipont Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Colluvium over residuum weathered from metasedimentary rock and/or sandstone

Slope range: 15 to 55 percent

Elevation: 5,920 to 7,180 feet

Mean annual precipitation: 16 to 20 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Pachic Argixerolls

Typical Pedon

Vipont very stony loam; located in an area of Vipont-Prucree complex, 15 to 30 percent slopes; in shrub cover; 950 feet east, 1,100 feet south of the northwest corner of section 4, T 12 S., R 46 E.; Giraffe Creek, Idaho USGS quadrangle; 42 degrees, 24 minutes, 47.80 seconds north latitude and 111 degrees, 5 minutes, 25.00 seconds west longitude; UTM 492571 meters E, 4695667 meters N, zone 12 NAD83.

A—0 to 4 inches; brown (7.5YR 4/2) very stony loam, dark brown (7.5YR 3/3) moist; strong very fine granular structure; soft, very friable, slightly sticky, nonplastic; many very fine and common fine roots; many very fine interstitial pores; 10 percent gravel, 15 percent cobbles, and 30 percent stones; noneffervescent; neutral (pH 6.8); abrupt wavy boundary.

Bt1—4 to 7 inches; brown (7.5YR 4/4) cobbly clay loam, dark brown (7.5YR 3/3) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine, fine, and medium roots; many very fine and few fine and medium interstitial pores; 35 percent faint clay films on faces of peds and in pores; 10 percent gravel and 15 percent cobbles; noneffervescent; neutral (pH 6.9); clear wavy boundary.

Bt2—7 to 14 inches; dark brown (7.5YR 3/4) very cobbly sandy clay loam, dark brown (7.5YR 3/3) moist; moderate fine and medium subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine and few fine and medium roots; many very fine and few fine and medium interstitial pores; 35 percent distinct clay films on faces of peds and in pores; 15 percent gravel and 25 percent cobbles; noneffervescent; neutral (pH 6.9); abrupt wavy boundary.

Bt3—14 to 21 inches; brown (7.5YR 4/4) extremely cobbly sandy clay loam, dark brown (7.5YR 3/3) moist; moderate fine subangular blocky structure; hard, friable, moderately sticky, moderately plastic; common very fine roots; many very fine

and few fine and medium interstitial pores; 35 percent faint clay films on faces of peds and in pores; 10 percent gravel, 55 percent cobbles, and 10 percent stones; noneffervescent; neutral (pH 7.1); abrupt wavy boundary.
R—21 to 60 inches; indurated sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 15 to 22 percent

Content of rock fragments:

- 20 to 30 percent stones
- 10 to 20 percent cobbles
- 5 to 15 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 0 to 5 percent stones
- 14 to 20 percent cobbles
- 10 to 17 percent gravel

Reaction: pH 6.6 to 7.4

Bt2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy clay loam, clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 0 to 6 percent stones
- 25 to 40 percent cobbles
- 13 to 18 percent gravel

Reaction: pH 6.6 to 7.4

Bt3 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Sandy clay loam, clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 8 to 12 percent stones
- 35 to 55 percent cobbles
- 10 to 16 percent gravel

Reaction: pH 6.6 to 7.4

R horizon(s):

Texture: Bedrock

Vitale Series

Depth class: Moderately deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

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Parent material: Slope alluvium and/or colluvium over residuum weathered from conglomerate and/or sandstone

Slope range: 2 to 60 percent

Elevation: 5,940 to 7,410 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 65 to 85 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Argixerolls

Typical Pedon

Vitale very gravelly sandy loam; located in an area of Hutchley-Cupine-Vitale complex, 2 to 60 percent slopes; in shrub cover; 740 feet south, 245 feet west of the northwest corner of section 16, T 15 S., R 43 E.; Saint Charles, Idaho USGS quadrangle; 42 degrees, 7 minutes, 25.70 seconds north latitude and 111 degrees, 25 minutes, 32.80 seconds west longitude; UTM 464806 meters E, 4663610 meters N, zone 12 NAD83.

A—0 to 3 inches; very dark grayish brown (10YR 3/2) very gravelly sandy loam, black (10YR 2/1) moist; moderate fine granular structure; soft, friable, nonsticky, nonplastic; many very fine and fine roots; many very fine tubular pores; 30 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.8); clear smooth boundary.

Bt1—3 to 9 inches; dark brown (10YR 3/3) very cobbly sandy clay loam, very dark brown (10YR 2/2) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine tubular pores; 4 percent prominent clay bridges between sand grains; 10 percent gravel, 40 percent cobbles, and 5 percent stones; noneffervescent; neutral (pH 7.0); clear smooth boundary.

Bt2—9 to 20 inches; brown (10YR 5/3) extremely cobbly sandy clay loam, dark grayish brown (10YR 4/2) moist; moderate medium subangular blocky structure parting to weak medium angular blocky; slightly hard, friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine tubular pores; 70 percent distinct clay bridges between sand grains; 15 percent gravel, 40 percent cobbles, and 5 percent stones; noneffervescent; neutral (pH 7.0); clear wavy boundary.

Bt3—20 to 30 inches; brown (10YR 5/3) extremely cobbly sandy clay loam, dark grayish brown (10YR 4/2) moist; moderate medium subangular blocky structure; slightly hard, friable, slightly sticky, slightly plastic; few fine roots; many very fine tubular pores; 10 percent patchy, faint, clay films on rock fragments and 70 percent distinct clay bridges between sand grains; 15 percent gravel, 50 percent cobbles, and 5 percent stones; noneffervescent; neutral (pH 7.0); clear wavy boundary.

R—30 to 60 inches; indurated sandstone bedrock, fractured at intervals of 4 to <18 inches.

Range in Characteristics

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Sandy loam

Clay content: 14 to 20 percent

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Content of rock fragments:

- 0 to 2 percent stones
- 5 to 8 percent cobbles
- 30 to 40 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.25 to 0.75 percent

Texture (less than 2 mm): Sandy clay loam, loam, clay loam

Clay content: 18 to 34 percent

Content of rock fragments:

- 0 to 5 percent stones
- 15 to 40 percent cobbles
- 10 to 25 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.20 to 0.50 percent

Texture (less than 2 mm): Sandy clay loam, clay loam

Clay content: 18 to 34 percent

Content of rock fragments:

- 0 to 5 percent stones
- 35 to 50 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.6 to 7.3

Bt3 horizon(s):

Organic matter content: 0 to 0.25 percent

Texture (less than 2 mm): Sandy clay loam

Clay content: 13 to 25 percent

Content of rock fragments:

- 5 to 10 percent stones
- 40 to 55 percent cobbles
- 10 to 20 percent gravel

Reaction: pH 6.6 to 7.3

R horizon(s):

Texture: Bedrock

Warshod Series

Depth class: Deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Gravelly colluvium over residuum weathered from sandstone

Slope range: 10 to 60 percent

Elevation: 6,200 to 7,550 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 37 to 43 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Loamy-skeletal, mixed, superactive, frigid Typic Haploxerolls

Typical Pedon

Warshod gravelly loam; located in an area of Warshod-Slan complex, 15 to 60 percent slopes; in shrub cover; 2,050 feet north, 1,600 feet west of the southeast corner of section 20, T 15 S., R 46 E.; Boundary Ridge, Idaho USGS quadrangle; 42 degrees, 6 minutes, 3.60 seconds north latitude and 111 degrees, 5 minutes, 57.90 seconds west longitude; UTM 491779 meters E, 4660993 meters N, zone 12 NAD83.

- A1—0 to 3 inches; very dark gray (10YR 3/1) gravelly loam, black (10YR 2/1) moist; moderate fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many fine interstitial pores; 15 percent gravel; noneffervescent; neutral (pH 6.6); abrupt smooth boundary.
- A2—3 to 9 inches; very dark grayish brown (10YR 3/2) gravelly loam, very dark brown (10YR 2/2) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; common very fine tubular pores; 20 percent gravel; noneffervescent; neutral (pH 6.8); clear wavy boundary.
- A3—9 to 18 inches; dark grayish brown (10YR 4/2) very gravelly loam, very dark grayish brown (10YR 3/2) moist; weak medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine roots; many very fine tubular pores; 35 percent gravel; noneffervescent; neutral (pH 6.8); clear wavy boundary.
- Bw—18 to 37 inches; brown (7.5YR 5/3) very gravelly very fine sandy loam, brown (7.5YR 4/3) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; common very fine and fine roots; many very fine and fine tubular pores; 35 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.6); gradual wavy boundary.
- BC—37 to 46 inches; light brown (7.5YR 6/4) very gravelly fine sandy loam, brown (7.5YR 5/4) moist; weak coarse subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; few very fine and fine roots; common very fine and fine tubular pores; 35 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 7.2); abrupt wavy boundary.
- Cr—46 to 60 inches; pink (7.5YR 7/4) loamy fine sand, bedrock, reddish yellow (7.5YR 6/6) moist; structureless; hard, firm, nonsticky, nonplastic; strongly effervescent; slightly alkaline (pH 7.8).

Range in Characteristics

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

A1 horizon(s):

Organic matter content: 3 to 5 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 15 to 23 percent gravel

Reaction: pH 6.1 to 7.3

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 10 to 18 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 20 to 38 percent gravel

Reaction: pH 6.4 to 7.3

A3 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 27 to 40 percent gravel

Reaction: pH 6.4 to 7.3

Bw horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Very fine sandy loam, loam, fine sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 3 to 10 percent cobbles
- 35 to 50 percent gravel

Reaction: pH 6.3 to 7.3

BC horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Very fine sandy loam, loam, fine sandy loam

Clay content: 8 to 18 percent

Content of rock fragments:

- 5 to 10 percent cobbles
- 35 to 48 percent gravel

Reaction: pH 6.4 to 7.3

Cr horizon(s):

Texture: Bedrock

Watercanyon Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced silty alluvium, slope alluvium, and/or colluvium

Slope range: 2 to 25 percent

Elevation: 5,840 to 7,360 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Coarse-silty, mixed, superactive, frigid Typic Calcixerepts

Typical Pedon

Watercanyon silt loam; located in an area of Iphil-Watercanyon complex, 2 to 20 percent slopes; in rangeland; 1,250 feet east, 450 feet north of the southwest corner of section 19, T 13 S., R 45 E.; Montpelier Canyon, Idaho USGS quadrangle; 42 degrees, 16 minutes, 17.00 seconds north latitude and 111

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degrees, 14 minutes, 37.20 seconds west longitude; UTM 479905 meters E, 4679938 meters N, zone 12 NAD83.

- A—0 to 4 inches; pale brown (10YR 6/3) silt loam, brown (10YR 4/3) moist; weak coarse platy structure; soft, very friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine and fine tubular pores; 18 percent fine, irregular, weakly cemented, lime masses; strongly effervescent; moderately alkaline (pH 8.3); abrupt wavy boundary.
- Bw—4 to 11 inches; pale brown (10YR 6/3) silt loam, brown (10YR 4/3) moist; weak coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine and fine roots; many very fine and common fine tubular pores; 18 percent fine, irregular, weakly cemented, lime masses; strongly effervescent; moderately alkaline (pH 8.3); abrupt wavy boundary.
- Bk1—11 to 23 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; moderate medium subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine and common fine tubular pores; 20 percent strongly cemented insect casts and carbonate threads and 25 percent fine and medium irregular, weakly cemented, lime masses; violently effervescent; moderately alkaline (pH 8.2); gradual smooth boundary.
- Bk2—23 to 32 inches; very pale brown (10YR 7/3) silt loam, brown (10YR 5/3) moist; weak medium subangular blocky structure; hard, friable, nonsticky, slightly plastic; common very fine roots; many very fine and few fine tubular pores; 30 percent strongly cemented insect casts and 25 percent fine, irregular, weakly cemented, carbonate threads; violently effervescent; moderately alkaline (pH 8.2); gradual smooth boundary.
- C—32 to 60 inches; pale brown (10YR 6/3) silt loam, brown (10YR 5/3) moist; massive; soft, very friable, nonsticky, slightly plastic; few very fine roots; many very fine and few fine tubular pores; 10 percent moderately cemented insect casts and carbonate threads and 15 percent fine, irregular, weakly cemented, lime masses; violently effervescent; strongly alkaline (pH 8.8).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 10 to 18 percent
Calcium-carbonate equivalent: 5 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

Bw horizon(s):

Organic matter content: 1 to 2 percent
Texture (less than 2 mm): Silt loam
Clay content: 10 to 18 percent
Calcium-carbonate equivalent: 5 to 20 percent
Sodium-adsorption ratio: 0 to 5
Electrical conductivity (mmhos/cm): 0 to 2
Reaction: pH 7.8 to 8.4

Bk1 horizon(s):

Organic matter content: 0.50 to 1 percent
Texture (less than 2 mm): Silt loam
Clay content: 10 to 18 percent

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Calcium-carbonate equivalent: 20 to 35 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0.50 to 1 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 18 percent

Calcium-carbonate equivalent: 20 to 35 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.9 to 8.6

C horizon(s):

Organic matter content: 0 to 0.50 percent

Texture (less than 2 mm): Loam, silt loam

Clay content: 8 to 18 percent

Calcium-carbonate equivalent: 15 to 30 percent

Sodium-adsorption ratio: 2 to 10

Electrical conductivity (mmhos/cm): 2 to 4

Reaction: pH 7.9 to 8.8

Watkins Ridge Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Mountain slopes, plateaus

Parent material: Loess influenced alluvium, slope alluvium, and/or colluvium derived from limestone and sandstone

Slope range: 4 to 35 percent

Elevation: 6,290 to 7,290 feet

Mean annual precipitation: 13 to 18 inches

Mean annual air temperature: 39 to 43 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Fine-loamy, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Watkins Ridge gravelly silt loam; located in an area of Watkins Ridge gravelly silt loam, dry, 4 to 12 percent slopes; in rangeland; 250 feet east, 250 feet north of the southwest corner of section 30, T 16 S., R 46 E.; Pegram Creek, Idaho USGS quadrangle; 42 degrees, 0 minutes, 8.20 seconds north latitude and 111 degrees, 7 minutes, 43.40 seconds west longitude; UTM 489339 meters E, 4650038 meters N, zone 12 NAD83.

A1—0 to 8 inches; brown (10YR 5/3) gravelly silt loam, very dark grayish brown (10YR 3/2) moist; strong thick platy structure parting to strong fine and medium granular; soft, very friable, slightly sticky, slightly plastic; many very fine roots; many very fine interstitial and tubular pores; 15 percent gravel; slightly effervescent; slightly alkaline (pH 7.6); clear smooth boundary.

A2—8 to 14 inches; brown (10YR 5/3) gravelly silt loam, very dark grayish brown (10YR 3/2) moist; moderate medium and coarse subangular blocky structure; soft, very friable, slightly sticky, slightly plastic; common very fine roots; many very fine

tubular pores; 20 percent gravel; strongly effervescent; slightly alkaline (pH 7.8); clear smooth boundary.

Bk1—14 to 26 inches; pinkish white (7.5YR 8/2) silty clay loam, light brown (7.5YR 6/4) moist; moderate medium and coarse subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine roots; many very fine tubular pores; 10 percent fine, weakly cemented, lime masses; 5 percent gravel; violently effervescent; moderately alkaline (pH 7.9); clear wavy boundary.

Bk2—26 to 45 inches; pink (5YR 7/3) silt loam, reddish brown (5YR 5/3) moist; weak coarse subangular blocky structure; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; many very fine tubular pores; 10 percent fine lime masses and 10 percent fine carbonate threads; 10 percent gravel; violently effervescent; moderately alkaline (pH 8.1); gradual wavy boundary.

Bk3—45 to 60 inches; pink (5YR 7/3) silt loam, light reddish brown (5YR 6/4) moist; massive; slightly hard, very friable, slightly sticky, slightly plastic; few very fine roots; many very fine tubular pores; 10 percent weakly cemented lime masses and 10 percent weakly cemented carbonate threads; violently effervescent; moderately alkaline (pH 8.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.5 to 7.8

A2 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Silt loam

Clay content: 15 to 20 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 25 percent gravel

Calcium-carbonate equivalent: 5 to 15 percent

Reaction: pH 7.5 to 7.8

Bk1 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silty clay loam, clay loam, loam, silt loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 15 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.9 to 8.6

Bk2 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Silt loam, clay loam, loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 15 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.9 to 8.6

Bk3 horizon(s):

Organic matter content: 0 to 1 percent

Texture (less than 2 mm): Loam, silt loam, clay loam

Clay content: 18 to 30 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 5 to 15 percent gravel

Calcium-carbonate equivalent: 15 to 30 percent

Reaction: pH 7.9 to 8.6

Whitetop Series

Depth class: Shallow

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): High

Landform: Hillslopes

Parent material: Weakly cemented residuum weathered from volcanic sandstone

Slope range: 8 to 45 percent

Elevation: 5,890 to 6,960 feet

Mean annual precipitation: 15 to 21 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 70 to 90 days

Taxonomic class: Ashy, glassy, frigid, shallow Vitrandic Haploxerolls

Typical Pedon (fig. 17)

Whitetop ashy fine sandy loam; located in an area of Crossley-Whitetop-Rock outcrop complex, 8 to 45 percent slopes; in shrub cover; 475 feet north, 1,500 feet west of the southeast corner of section 1, T 12 S., R 43 E.; Georgetown, Idaho USGS quadrangle; 42 degrees, 24 minutes, 8.50 seconds north latitude and 111 degrees, 22 minutes, 23.00 seconds west longitude; UTM 469299 meters E, 4694517 meters N, zone 12 NAD83.

A—0 to 4 inches; very dark brown (10YR 2/2) ashy fine sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium and coarse roots; 5 percent parachanners; noneffervescent; slightly acid (pH 6.5); clear smooth boundary.

Bw—4 to 16 inches; dark grayish brown (10YR 4/2) parachannery ashy fine sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky, nonplastic; many very fine and fine and few medium and coarse roots; 20 percent parachanners; noneffervescent; neutral (pH 6.8); abrupt wavy boundary.

Cr—16 to 60 inches; (2.5Y 7/0) weakly cemented volcanic sandstone bedrock.

Range in Characteristics

Depth to restrictive feature: 10 to 20 inches to paralithic bedrock

A horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Fine sandy loam

Clay content: 8 to 12 percent

Content of rock fragments: 0 to 5 percent parachanners

Reaction: pH 6.1 to 7.3

Bw horizon(s):

Organic matter content: 1 to 2 percent

Texture (less than 2 mm): Fine sandy loam

Clay content: 8 to 12 percent

Content of rock fragments: 0 to 20 percent parachanners

Reaction: pH 6.1 to 7.3

Cr horizon(s):

Texture: Bedrock



Figure 17.—A typical profile of Whitetop ashy fine sandy loam in an area of Burchert- Whitetop complex, 10 to 45 percent slopes. Scale is in centimeters.

Wursten Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Fan remnants, hillslopes

Parent material: Loess influenced mixed alluvium, slope alluvium, and/or colluvium

Slope range: 1 to 35 percent

Elevation: 5,840 to 7,580 feet

Mean annual precipitation: 12 to 21 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 65 to 90 days

Taxonomic class: Coarse-loamy, mixed, superactive, frigid Typic Calcixerolls

Typical Pedon

Wursten silt loam; located in an area of Wursten silt loam, 4 to 12 percent slopes; in rangeland; 1,300 feet east, 986 feet south of the northwest corner of section 23, T 12 S., R 44 E.; Montpelier, Idaho USGS quadrangle; 42 degrees, 22 minutes, 9.40 seconds north latitude and 111 degrees, 16 minutes, 57.20 seconds west longitude; UTM 476734 meters E, 4690816 meters N, zone 12 NAD83.

- A1—0 to 3 inches; brown (10YR 5/3) silt loam, very dark grayish brown (10YR 3/2) moist; weak coarse platy structure parting to weak medium subangular blocky; soft, very friable, slightly sticky, slightly plastic; common very fine and few fine roots; common very fine and few fine interstitial pores; carbonate, finely disseminated throughout; 5 percent gravel and 1 percent cobbles; slightly effervescent; moderately alkaline (pH 8.0); clear smooth boundary.
- A2—3 to 8 inches; brown (10YR 5/3) silt loam, dark brown (10YR 3/3) moist; moderate coarse subangular blocky structure parting to moderate fine and medium subangular blocky; slightly hard, friable, slightly sticky, slightly plastic; common very fine and few fine roots; few fine interstitial and common very fine tubular pores; carbonate, finely disseminated throughout; 3 percent gravel and 1 percent cobbles; slightly effervescent; moderately alkaline (pH 8.0); clear wavy boundary.
- Bk1—8 to 19 inches; pink (7.5YR 7/4) loam, brown (7.5YR 5/4) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, nonplastic; common very fine roots; common very fine tubular and few fine interstitial pores; carbonate, finely disseminated throughout and 5 percent fine, irregular, very weakly cemented, carbonate masses throughout; 3 percent gravel and 1 percent cobbles; strongly effervescent; moderately alkaline (pH 8.2); clear smooth boundary.
- Bk2—19 to 31 inches; pink (7.5YR 7/4) gravelly loam, light brown (7.5YR 6/4) moist; weak fine and medium subangular blocky structure; slightly hard, friable, slightly sticky, nonplastic; few very fine roots; common very fine and fine tubular pores; carbonate, finely disseminated throughout and 5 percent medium, threadlike, very weakly cemented, carbonate masses throughout; 10 percent gravel and 5 percent cobbles; violently effervescent; moderately alkaline (pH 8.2); clear smooth boundary.
- Bk3—31 to 44 inches; strong brown (7.5YR 5/6) gravelly loam, strong brown (7.5YR 4/6) moist; weak medium subangular blocky structure; slightly hard, friable, nonsticky, nonplastic; few very fine roots; common very fine tubular pores; carbonate, finely disseminated throughout and 5 percent medium, threadlike, very weakly cemented, carbonate masses throughout; 10 percent gravel and 5 percent

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cobbles; violently effervescent; moderately alkaline (pH 8.2); gradual smooth boundary.

Bk4—44 to 60 inches; brown (7.5YR 5/4) gravelly sandy loam, strong brown (7.5YR 4/6) moist; massive; soft, very friable, nonsticky, nonplastic; few very fine tubular pores; carbonate, finely disseminated throughout, 5 percent medium, irregular, very weakly cemented, carbonate masses throughout, and 5 percent medium, threadlike, very weakly cemented, carbonate masses throughout; 25 percent gravel and 5 percent cobbles; strongly effervescent; moderately alkaline (pH 8.2).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 2 to 10 percent gravel

Calcium-carbonate equivalent: 2 to 10 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.2

A2 horizon(s):

Organic matter content: 2 to 3 percent

Texture (less than 2 mm): Silt loam

Clay content: 10 to 16 percent

Content of rock fragments:

- 0 to 1 percent cobbles
- 2 to 10 percent gravel

Calcium-carbonate equivalent: 2 to 15 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.2

Bk1 horizon(s):

Organic matter content: 0.50 to 2 percent

Texture (less than 2 mm): Loam

Clay content: 12 to 18 percent

Content of rock fragments:

- 0 to 2 percent cobbles
- 6 to 17 percent gravel

Calcium-carbonate equivalent: 10 to 30 percent

Sodium-adsorption ratio: 0 to 5

Electrical conductivity (mmhos/cm): 0 to 2

Reaction: pH 7.8 to 8.4

Bk2 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Sandy loam, loam

Clay content: 8 to 16 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 28 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 5 to 12

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Electrical conductivity (mmhos/cm): 0 to 4

Reaction: pH 7.9 to 8.4

Bk3 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Loam, sandy loam

Clay content: 8 to 16 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 29 percent gravel

Calcium-carbonate equivalent: 10 to 25 percent

Sodium-adsorption ratio: 5 to 12

Electrical conductivity (mmhos/cm): 0 to 4

Reaction: pH 7.9 to 8.4

Zeebar Series

Depth class: Very deep

Drainage class: Well drained

Capacity of the most limiting soil layer to transmit water (Ksat): Moderately high

Landform: Hillslopes, mountain slopes

Parent material: Mixed gravelly slope alluvium and/or colluvium

Slope range: 5 to 45 percent

Elevation: 5,920 to 7,270 feet

Mean annual precipitation: 16 to 24 inches

Mean annual air temperature: 36 to 39 degrees F

Frost-free period: 50 to 70 days

Taxonomic class: Loamy-skeletal, mixed, superactive Xeric Argicryolls

Typical Pedon

Zeebar gravelly loam; located in an area of Hagenbarth-Zeebar-Dranburn complex, 5 to 45 percent slopes; in shrub cover; 1,760 feet south, 1,770 feet west of the northwest corner of section 8, T 14 S., R 43 E.; Paris, Idaho USGS quadrangle; 42 degrees, 13 minutes, 20.70 seconds north latitude and 111 degrees, 27 minutes, 4.20 seconds west longitude; UTM 462766 meters E, 4674570 meters N, zone 12 NAD83.

A1—0 to 6 inches; grayish brown (10YR 5/2) gravelly loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, very friable, slightly sticky, slightly plastic; many very fine and fine roots; many very fine irregular pores; 15 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.6); gradual wavy boundary.

A2—6 to 13 inches; brown (10YR 5/3) gravelly loam, dark brown (10YR 3/3) moist; moderate fine and medium granular structure; slightly hard, friable, slightly sticky, nonplastic; many very fine and fine and few medium roots; many very fine irregular and few very fine tubular pores; 20 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.6); clear wavy boundary.

Bt1—13 to 18 inches; brown (10YR 5/3) very gravelly sandy clay loam, brown (10YR 4/3) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and fine and few medium roots; common fine tubular pores; 35 percent distinct clay films on faces of peds and on surfaces along root channels; 35 percent gravel and 5 percent cobbles; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Bt2—18 to 34 inches; yellowish brown (10YR 5/4) very gravelly sandy clay loam, dark yellowish brown (10YR 4/4) moist; moderate medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and few fine roots; common fine tubular pores; 70 percent distinct clay films on faces of peds and on surfaces along root channels; 35 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 6.8); gradual wavy boundary.

Bt3—34 to 48 inches; light brown (7.5YR 6/4) very gravelly sandy clay loam, brown (7.5YR 4/4) moist; moderate medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; common very fine and few fine roots; common very fine tubular pores; 70 percent distinct clay films on faces of peds and on surfaces along root channels; 40 percent gravel and 10 percent cobbles; noneffervescent; neutral (pH 7.0); gradual wavy boundary.

Bt4—48 to 60 inches; light brown (7.5YR 6/4) extremely cobbly sandy clay loam, brown (7.5YR 4/4) moist; moderate fine and medium subangular blocky structure; hard, firm, moderately sticky, moderately plastic; few very fine roots; common very fine tubular pores; 35 percent faint clay films on faces of peds; 40 percent gravel and 30 percent cobbles; noneffervescent; neutral (pH 7.0).

Range in Characteristics

Depth to restrictive feature: Greater than 60 inches

A1 horizon(s):

Organic matter content: 2 to 4 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 15 to 20 percent gravel

Reaction: pH 6.6 to 7.3

A2 horizon(s):

Organic matter content: 1 to 3 percent

Texture (less than 2 mm): Loam

Clay content: 16 to 22 percent

Content of rock fragments:

- 0 to 5 percent cobbles
- 18 to 25 percent gravel

Reaction: pH 6.6 to 7.3

Bt1 horizon(s):

Organic matter content: 0.40 to 1 percent

Texture (less than 2 mm): Sandy clay loam, clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 5 to 15 percent cobbles
- 35 to 45 percent gravel

Reaction: pH 6.6 to 7.3

Bt2 horizon(s):

Organic matter content: 0.20 to 0.75 percent

Texture (less than 2 mm): Sandy clay loam, clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 10 to 20 percent cobbles
- 35 to 45 percent gravel

Reaction: pH 6.6 to 7.3

Bt3 horizon(s):

Organic matter content: 0.20 to 0.50 percent

Texture (less than 2 mm): Sandy clay loam, clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 10 to 20 percent cobbles
- 35 to 45 percent gravel

Reaction: pH 6.6 to 7.3

Bt4 horizon(s):

Organic matter content: 0.10 to 0.50 percent

Texture (less than 2 mm): Clay loam, sandy clay loam

Clay content: 24 to 34 percent

Content of rock fragments:

- 15 to 30 percent cobbles
- 35 to 45 percent gravel

Reaction: pH 6.6 to 7.3

Soil Properties

Data relating to soil properties are collected during the course of the soil survey.

Soil properties are determined by field examination of the soils and by laboratory index testing of some benchmark soils. Established standard procedures are followed. During the survey, many typically 2-meter deep excavations are made and examined to identify and classify the soils and to delineate them on the soil maps. Samples are taken from some typical profiles and tested in the laboratory to determine particle-size distribution, plasticity, and compaction characteristics.

Estimates of soil properties are based on field examinations, on laboratory tests of samples from the survey area, and on laboratory tests of samples of similar soils in nearby areas. Tests verify field observations, verify properties that cannot be estimated accurately by field observation, and help to characterize key soils.

The estimates of soil properties are shown in tables. They include engineering index properties, physical and chemical properties, and pertinent soil and water features.

Engineering Soil Properties

The “[Engineering Soil Properties](#)” table described in this section gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. “Loam,” for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, “gravelly.” Textural terms are defined in the “[Glossary](#).”

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an oven-dry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

Physical Properties

The “[Physical Properties of the Soils](#)” table described in this section shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In the table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, saturated hydraulic conductivity (*K_{sat}*), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (oven-dry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at $\frac{1}{3}$ - or $\frac{1}{10}$ -bar (33- or 10 kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity (K_{sat}) refers to the ability of a soil to transmit water or air. The estimates in the table indicate the rate of water movement, in micrometers per second, when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (*K_{sat}*) is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at $\frac{1}{3}$ - or $\frac{1}{10}$ -bar tension (33- or 10-kPa) moisture tension and oven dryness. The volume change is reported in the table as percent change for the whole soil. Volume change is influenced by the amount and type of clay minerals in the soil.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In the table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in the table as the K factor (K_w and K_f) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and saturated hydraulic conductivity (K_{sat}). Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor K_w indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor K_f indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the *National Soil Survey Handbook*, which is available in local offices of the Natural Resources Conservation Service or online at <http://soils.usda.gov/technical/handbook/>.

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Chemical Properties

The “[Chemical Properties of the Soils](#)” table described in this section shows estimates of some chemical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Cation-exchange capacity (CEC) is the total amount of exchangeable cations that can be held by the soil, expressed in terms of centimoles per kilogram. It commonly is measured at neutral pH of 7.0 (CEC-7), but it may be measured at some other stated pH value. Soils that have a low CEC hold fewer cations and may require more frequent applications of fertilizer than those that have a high CEC. The ability to retain cations minimizes the risk of ground-water pollution.

Soil reaction is a measure of acidity or alkalinity. The pH of each soil horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

Calcium-carbonate equivalent is the percent of carbonates, by weight, in the fraction of the soil less than 2 millimeters in size. The availability of plant nutrients is influenced by the amount of carbonates in the soil.

Salinity is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils. The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the table. Salinity affects the suitability of a soil for crop production, the stability of soil if used as construction material, and the potential of the soil to corrode metal and concrete.

Sodium adsorption ratio (SAR) is a measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration. Soils that have SAR values of 13 or more may be characterized by an increased dispersion of organic matter and clay particles, reduced permeability and aeration, and a general degradation of soil structure.

Water Features

The “[Water Features](#)” table described in this section gives estimates of various water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or

soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

The *months* in the table indicate the portion of the year in which the feature is most likely to be a concern.

Water table refers to a saturated zone in the soil. The table indicates, by month, depth to the top (*upper limit*) and base (*lower limit*) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redox features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates *surface water depth* and the *duration* and *frequency* of ponding. Duration is expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. *None* means that ponding is not probable; *rare* that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and *frequent* that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and *frequency* are estimated. Duration is expressed as *extremely brief* if 0.1 hour to 4 hours, *very brief* if 4 hours to 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. *None* means that flooding is not probable; *very rare* that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); *rare* that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); *frequent* that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and *very frequent* that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Also considered is local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of

flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Soil Features

The “[Soil Features](#)” table described in this section gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low*, *moderate*, or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low*, *moderate*, or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Formation of the Soils

Factors of Soil Formation

Soil is a natural, three-dimensional body on the surface of the earth that supports or is capable of supporting plants. Soil is a fundamental part of the ecosystem and exists in balance with other components of the environment (USDA, 1938). Soil consists of a mixture of minerals, organic matter, water, and air—all of which occur in varying proportions (USDA, 1957). Soils are characterized by a vertical sequence of layers, or horizons, that vary in color, texture, chemistry, structure, or a combination of these properties. Horizons continually form and evolve, generally over long periods, because of environmental forces. Although there are many different soils, each soil is the result of the interaction of the same five factors. These forces, or soil-forming factors, are parent material, climate, living organisms, relief or topography, and time. The interaction of these five soil-forming factors produces a soil profile with unique qualities that can be observed and characterized. This section describes the interaction of the factors of soil formation and the relation of the physical and chemical properties to specific soils.

Parent Material

The following definitions are taken from the National Soil Survey Handbook, available online at <http://soils.usda.gov/technical/handbook/>. Parent material is the unconsolidated mineral or organic matter from which soils develop. Parent materials available for soil formation in the Bear Lake County soil survey area are quite varied in both type and age. Parent materials include:

- residuum (residual soil material - unconsolidated, weathered, or partly weathered mineral material that accumulates by disintegration of bedrock in place)
- colluvium (unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g., direct gravitational action) and by local, unconcentrated runoff) derived from igneous, metamorphic, and sedimentary rock
- alluvium, carried and deposited by the Bear River, Thomas Fork, and the tributaries to these main watercourses, as well as older depositions from ephemeral streams leaving fan remnants (a general term for landforms that are the remaining parts of older fan-landforms, such as alluvial fans, fan aprons, inset fans, and fan skirts, that either have been dissected (erosional fan-remnants) or partially buried (nonburied fan-remnants)
- lacustrine (lake laid) deposits from Pleistocene lakes
- eolian (wind carried) materials consisting predominantly of Pleistocene-aged loess

These parent materials, and the potential weathering products from them, determine largely what the soil can become. Many of the soils in the area formed in more than

one kind of parent material. The Brushtop series, for example, formed in alluvium over weakly cemented volcanic ash. The kinds of parent material in the survey area are discussed in the following paragraphs.

Residuum and Colluvium Derived from Bedrock

In the survey area, there are five main groups of bedrock—limestone, quartzite, sandstone, shale, and siltstone—and one minor but unique type—weakly cemented volcanic ash. Soils that are derived from bedrock are greatly influenced by the characteristics of the bedrock. The oldest rocks in the survey area, Ordovician and Cambrian age (about 440 m to 570 m years before present) limestone, quartzite, and shale occur on the west side of the Bear Lake Valley associated with the Bear River Range of the Wasatch Mountains and the east and northeast sides of the valley associated with the Aspen Range. Jurassic aged (about 144 m to 205 m years before present) limestone, sandstone, and siltstone rocks occur in the Preuss Range and on the Bear Lake Plateau. The youngest rocks are of Tertiary Age (about 3.4 m to 65 m years before present) Salt Lake Formation limestone, sandstone, siltstone, and weakly cemented volcanic ash. These rocks mainly occur in the foothills on either side of the Bear Lake Valley (USGS, 1980).

Soils developed with the influence of limestone generally have limestone coarse fragments present and free carbonates in the lower part of the soil profile. Carbonates in the soil reduce the amount of clay formation, and these soils, consequently, lack argillic horizons. The Ireland and Mumford series are examples of soils formed in limestone.

Quartzite is highly resistant to weathering and serves as a source of coarse fragments and sand. The Bailcreek and Lag series are examples of soils with quartzite coarse fragments.

Sandstone usually weathers slowly, and the soils developed from this material are coarse textured. If the sandstone is not indurated, the weathering process can accelerate, and soils can develop with a paralithic contact. The underlying bedrock is highly weathered, retaining rock structure, but soft enough to dig into. The Slan series developed in less strongly cemented sandstone and has a paralithic contact. The Cupine series developed from indurated sandstone and has an abrupt lower boundary to the sandstone.

Shale has a somewhat platy structure and is less resistant to weathering. The soils that formed in shale have channery rock fragments in the profile. The Jacanyon series is an example of a soil with channers in the profile.

Siltstone also has a platy structure but is less resistant to weathering than shale. The soils formed in this material tend to have channery coarse fragments, loamy or silty horizons, and possibly accumulations of clay in the profile. The Preuss and Preussrange series are examples of soils formed in siltstone.

The Cadere and Whitetop series are examples of soils developed in residuum of weakly cemented volcanic ash. Weakly cemented volcanic ash is unique in several ways; it quickly breaks down to a fine sand texture but has the available water-holding capacity of a loam; the less-weathered parafragments and the parent material itself also have a high water-holding capacity; and the bulk density is about 1 gm/cc. The high-water holding capacity is due to the highly vesicular nature of the ash. Soils formed from this material can support a more luxuriant plant community because of this increased available water capacity.

Alluvium

The major streams in the survey area and many of the secondary streams have formed flood plains and stream terraces composed of recent alluvium. The characteristics of the alluvium are dependent on the velocity and volume of the floodwaters and on the soils and geology of the adjacent upland areas. The soils that

formed in alluvium commonly have a profile of stratified textures because of variations in the velocity of the floodwater during deposition. The Bear River Valley and the Thomas Fork Valley are wide and relatively flat with slopes of only one to two percent. The low slope reduces water velocity and the water's ability to carry material. These areas predominantly have soils that are high in silt and clay. The Bear Lake, Lago, and Raynal series are examples of soils formed in finer alluvium. Streams coming into the main drainages have smaller flood plains and have had a history of higher stream velocities. The soils associated with these areas usually have finer textures on the surface because of lower velocity more-recent depositions over skeletal (contains 35 percent or more coarse fragments; mostly gravel and cobbles) materials at moderate depths because of higher historical streamflows. The Bearbou and Bloomcreek series are examples of soils formed from higher-velocity stream deposits.

Lacustrine

Lacustrine deposits occur sporadically in the survey area, usually on low hills on the sides of the Bear River Valley and on the Bear Lake Plateau. These deposits reflect a very different landscape; they were deposited in the early Pleistocene or perhaps even earlier. What is currently observed are the remnants of a larger deposition that has been subsequently eroded. The lacustrine material consists of fine silts and clay. The Brifox and Niter series are soils developed in lacustrine deposits.

Eolian

The eolian deposits consist of loess. In the late Pleistocene, the climate was drier, and many lakes dried up, providing a source of silt. Much of the loess in the survey area is fine silt, indicating that it has been moved a considerable distance from its source. This loess has probably come over the mountains from the southwest (Utah), as well as the northwest (Snake River Plain). Some of the loess has come from local sources in the Bear Lake Valley; this loess is coarser. The younger soils developed in the loess deposits are typified by the Iphill, Rexburg, Ririe, and Watercanyon series. Older soils are represented by the Bancroft and Lanoak series.

Climate and Living Organisms

Climate and living organisms are a very important part of the soil-forming process and are so intricately interrelated that they are considered together. Precipitation and temperature are the primary climatic factors affecting soil development. Precipitation, or the amount of moisture entering the soil, influences the physical, chemical, and biological processes of soil formation. These processes include the weathering of minerals, production and decomposition of organic matter, movement of minerals and nutrients in the soil, and rate of soil erosion. The soil temperature influences the rate of these processes, especially the weathering of minerals and production and decomposition of organic matter. The climate in the survey area is characterized by warm summers and cold, moist winters. During the summer months, the rainfall received is less than the amount of water used by plants and that evaporated from the soil, thus drying out the soil.

The warmest, driest part of the survey area occurs in the south and southeast, extending south to Utah and northeast to Wyoming. This warm, dry area is the result of southwesterly winds coming off the Utah desert and the rain shadow effect of the Bear River Range of the Wasatch Mountains. This rain-shadow effect lies approximately along a line tending from the southwest to the northeast. This line roughly starts along the Utah-Idaho border on the west side of the lake and extends northeasterly to about where the Thomas Fork comes into Idaho from Wyoming. Within this zone, the average annual precipitation is about 13 to 16 inches but can go as high as about 18 inches at the highest elevations (NRCS National Water and Climate Center <http://www.wcc.nrcs.usda.gov/climate/prism.html>). Usually, as elevation

increases, the average annual precipitation increases, and the average annual air temperature and frost-free period decrease. This conclusion is only partially true for this area. The Bear Lake Plateau rises between about 1,000 feet and 1,700 feet above Bear Lake, but, because of the warm southwesterly winds and rain-shadow effect, average temperatures are significantly higher than would be expected, and precipitation is lower, giving the area a semiarid appearance. The soils and vegetation reflect this climatic situation by the amount of vegetation growing and the amount of soil development that has taken place. The landscape is dominated by sagebrush and bunchgrass, and the soils are weakly developed. The warm southwesterly winds also tend to dry out the soils by increasing the evapotranspiration rate. Because of these conditions, organic matter has not accumulated to the same extent as it has further north, lime has not been leached as deeply or at all, and soil biologic activity has been reduced. Typical soils in this area include the Cupine, Jebo, Slan, Spollow, Vicking, and Warshod series.

Moving north, the precipitation increases to about 16 to 18 inches in the narrowing valley and uplands, with the higher elevations receiving about 25 or more inches (NRCS National Water and Climate Center <http://www.wcc.nrcs.usda.gov/climate/prism.html>). The increased precipitation and lower average temperatures promotes increased vegetative diversity and production. The higher elevations have stands of Douglas-fir and aspen on north and east aspects, and the sagebrush sites have an increasing amount of taller brush, such as serviceberry, snowberry, and chokecherry. The increase in precipitation and vegetative production results in much higher amounts of organic matter on the soil surface and deeper in the soil, increased soil biota, and increased downward movement of nutrients and the leaching of lime. Typically, the soils in this area have a dark surface layer that can extend to 40 inches or more, clay accumulation deeper in the profile, lime leached deeper or not present at all, and high soil fertility. Representative soils in this area include the Clegg, Drage, Dranyon, Hagenbarth, Rexburg, and Lag series.

In the southern part of the survey area, the average annual air temperatures range from about 39 to 45 degrees F, and the frost-free period is approximately 70 to 100 days. In the northern part of the survey area, the average annual air temperatures range from about 36 to 44 degrees F, and the frost-free period is approximately 50 to 90 days.

Topography

The relief of the survey area has been determined by geologic events, mainly mountain building, water erosion, and subsequent deposition. The shape of the land surface, relief or topography, affects soil formation in numerous ways. Topography influences the formation of soils through its effect on soil and air drainage; erosion; precipitation, or the effective moisture received; and exposure, or aspect, to the sun and wind. Slope orientation, or aspect, affects the amount of solar radiation received in an area, which influences soil temperature and the rate of evapotranspiration. Soils on north- and east-facing slopes receive less solar radiation, resulting in a lower rate of evapotranspiration than soils on south-facing slopes. Thus, the soils on north- and east-facing slopes are cooler and moister and commonly have a denser vegetative cover than do the soils on south-facing slopes. The denser vegetative cover generally provides more protection from erosion and results in soils that are generally deeper with a higher content of organic matter in the surface layers. By contrast, the south aspects have a much sparser vegetative cover, are warmer and more subject to erosion, and have thinner surface layers and lime closer to or at the surface.

In the southern part of the survey, this aspect difference is reflected by increased range production on the northerly aspects, while in the northern part of the survey area, trees are common on northerly aspects, with sagebrush and grass on the southerly aspects. In the northern part of the survey area, the Dranyon series is a

typical north-facing soil under aspen, and the Cedarhill series is found on south-facing slopes. In the southern part of the survey area, the Warshod series is a typical north-facing soil under sagebrush and grass, while the Jebo series is found on south-facing slopes. As slope decreases, the rate of erosion decreases, and the landscape becomes more stable, allowing for increased soil development, including clay formation and the development of argillic horizons. Thus, the oldest, most developed soils are usually found on these more stable upland positions. The Ant Flat and Swanpeak series are soils with argillic horizons high in clay. An argillic horizon is normally a subsurface horizon with a significantly higher percentage of clay than the overlying soil material. An argillic horizon shows evidence of clay illuviation (movement and accumulation). The argillic horizon forms below the soil surface, but it may be exposed at the surface later by erosion.

On the lowest parts of the landscape, the valley bottoms and stream terraces, the slopes are the shallowest, and water deposition of soil materials is the most predominant. Even though the slopes are the shallowest in the survey area, this area has the youngest geomorphic surface because of the meandering and flooding of the streams and rivers over time. Being the lowest position of a large drainage system, the soils have high water tables and are very poorly to moderately well drained. Typical soils on this landscape position are the Bear Lake, Lago, and Merkley series.

Time

Without sufficient time, even easily weatherable material will remain mostly intact. Time is the factor that allows the other factors to express themselves. The relative age of a soil is determined through observation of the soil horizons. The more the horizons are differentiated and expressed, the longer the soil has been forming. The youngest soils in the survey area occur on the youngest geomorphic surfaces, which are the flood plains of the rivers and streams and the steep slopes associated with mountains, ridges, and hills where erosion is high. The soils on flood plains are subject to overflow and deposition of water-carried material as well as erosion near the active stream channel. Thus, with each flooding event, the soil starts a new formation cycle in the recent addition. Soils on these young surfaces are commonly stratified and may have numerous buried surface horizons. Most of the soil development has been limited to the accumulation of organic matter in the surface layer. The Bloomcreek and Millerditch series are examples of soils that have buried surface horizons. Soils developing on steep slopes are subject to accelerated erosion from water and from mass movement downhill because of gravity. These soils commonly have fewer and less developed horizons and are shallow to moderately deep to bedrock. The Mumford and Sprollow series are examples of soils that have less developed horizons and have bedrock at shallow to moderate depths.

The soils of intermediate age have had carbonates leached from the surface and then concentrated lower in the profile. These soils have developed a dark surface layer, been leached of lime to below the B horizon, and increased in clay formation and movement. Bancroft, Lanoak, and Thatcher soils are examples.

The more stable, older surfaces are associated with the less sloping uplands. In these areas, the soils have had the most time to develop and express their horizons. Except for quartzite, sandstone, and limestone, most of the available parent materials will weather to a form of clay. The most abundant type of clay is montmorillonite, a layered silicate clay that expands and contracts based on moisture status. The oldest soils exhibit well-defined horizons and have substantial accumulations of clay in the profile. The oldest soils have strong structure and easily observed clay films. The Ant Flat, Bailcreek, Broadhead, and Sights series are examples of soils with well-developed horizons and accumulations of clay.

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Glossary

Many of the terms relating to landforms, geology, and geomorphology are defined in more detail in the *National Soil Survey Handbook* (available in local offices of the Natural Resources Conservation Service or on the Internet at <http://soils.usda.gov/technical/handbook/>).

ABC soil. A soil having an A, a B, and a C horizon.

Abrupt textural change. A soil horizon boundary or thin transitional zone characterized by a considerable increase in clay that occurs at the contact between a surface layer, subsurface layer, subsoil, or substratum.

AC soil. A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes. **Ablation till.** Loose, permeable till deposited during the final downwasting of glacial ice. Lenses of crudely sorted sand and gravel are common.

Aeration, soil. The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil. Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alkali (sodic) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Alluvial fan. A low, outspread mass of loose materials and/or rock material, commonly with gentle slopes. It is shaped like an open fan or a segment of a cone. The material was deposited by a stream at the place where it issues from a narrow mountain valley or upland valley or where a tributary stream is near or at its junction with the main stream. The fan is steepest near its apex, which points upstream, and slopes gently and convexly outward (downstream) with a gradual decrease in gradient.

Alluvium. Unconsolidated material, such as gravel, sand, silt, clay, and various mixtures of these, deposited on land by running water.

Alpha,alpha-dipyridyl. A compound that when dissolved in ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction implies reducing conditions and the likely presence of Redox features.

Animal-unit-month (AUM). The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Aquic conditions. Current soil wetness characterized by saturation, reduction, and Redox features.

Argillic horizon. A subsoil horizon characterized by an accumulation of illuvial clay.

Ash (volcanic). Unconsolidated, pyroclastic material less than 2 millimeters in all dimensions; commonly called volcanic ash.

Ashy (family particle-size class). A substitute class term used for the family particle-size in mineral soils.

Ashy (textural modifier; for example, ashy sandy loam). A term used to describe material in which the fine-earth fraction has 30 percent or more particles that are 0.02 to 2.0 millimeters in diameter. Of this, 5 percent or more is volcanic glass and the ammonium oxalate extractable aluminum plus $\frac{1}{2}$ the ammonium oxalate extractable iron times 60 added to the percentage of volcanic glass are equal to or more than 30.

Aspect. The direction toward which a slope faces. Also called slope aspect.

Aspect, north. All compass directions with a northerly aspect, including west-northwest, northwest, north-northwest, north, north-northeast, northeast, and east-northeast. North aspects have less solar radiation than south aspects and consequently are cooler and more moist.

Aspect, south. All compass directions with a southerly aspect, including east-southeast, southeast, south-southeast, south, south-southwest, southwest, and west-southwest. South aspects have more solar radiation than north aspects and consequently are warmer and more droughty.

Association, soil. A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity). The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

| | |
|----------------|--------------|
| Very low | 0 to 3 |
| Low | 3 to 6 |
| Moderate | 6 to 9 |
| High | 9 to 12 |
| Very High..... | more than 12 |

Backslope. The position that forms the steepest and generally linear, middle portion of a hillslope. In profile, backslopes are commonly bounded by a convex shoulder above and a concave footslope below.

Backswamp. A flood-plain landform. Extensive, marshy or swampy, depressed areas of flood plains between natural levees and valley sides or terraces.

Base saturation. The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

Base slope (geomorphology). A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

Basin. A low area in the earth's crust, of tectonic origin, in which sediment has accumulated.

Bedding plane. A planar or nearly planar bedding surface that visibly separates each successive layer of stratified sediment or rock (of the same or different lithology) from the preceding or following layer; a plane of deposition. It commonly marks a change in the circumstances of deposition and may show a parting, a color difference, a change in particle size, or various combinations of these. The term is commonly applied to any bedding surface, even one that is conspicuously bent or deformed by folding.

Bedrock. The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography. A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

- Bisequum.** Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.
- Bottom land.** An informal term loosely applied to various portions of a flood plain.
- Boulders.** Rock fragments larger than 2 feet (60 centimeters) in diameter.
- Breaks.** A landscape or tract of steep, rough or broken land dissected by ravines and gullies and marking a sudden change in topography.
- Breccia.** Coarse grained, clastic rock made up of angular broken rock fragments that are held together by mineral cement or are in a fine-grained matrix.
- Brush management.** Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.
- Bulk density.** The mass of soil per unit bulk volume. Moist bulk density refers to the oven-dry weight of a given volume of soil with moisture content at or near field moisture capacity.
- Calcareous soil.** A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.
- Calcic horizon.** A subsurface horizon that has an accumulation of calcium carbonate or of calcium and magnesium carbonate.
- Calcium-carbonate equivalent.** The quantity of carbonates (CO_3) in the soil, expressed as CaCO_3 and as a percentage by weight of the fraction less than 2 millimeters in size.
- Caliche.** A general term for a prominent zone of secondary carbonate accumulation in surficial materials in warm, subhumid to arid areas. Caliche is formed by both geologic and pedologic processes. Finely crystalline calcium carbonate forms a nearly continuous surface-coating and void-filling medium in geologic (parent) materials. Cementation ranges from weak in nonindurated forms to very strong in indurated forms. Other minerals (e.g., carbonates, silicate, and sulfate) may occur as accessory cements. Most petrocalcic horizons and some calcic horizons are caliche.
- Cambic horizon.** A mineral soil horizon that is loamy very fine sand or finer textured and has soil structure rather than rock structure. The cambic horizon contains some weatherable minerals, and it is characterized by alterations or removals as indicated by redoximorphic features or by stronger chroma or redder hue than that of the underlying horizons.
- Canopy.** The leafy crown of trees or shrubs. (See Crown.)
- Canyon.** A long, deep, narrow valley with high, precipitous walls in an area of high local relief.
- Capillary water.** Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.
- Carbonates.** Chemical compounds containing the carbonate ion CO_3 in combination with bases such as calcium, magnesium, potassium, and sodium.
- Catena.** A sequence, or "chain," of soils on a landscape that formed in similar kinds of parent material and under similar climatic conditions but that have different characteristics as a result of differences in relief and drainage.
- Cation.** An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.
- Cation-exchange capacity.** The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

- Channery soil material.** Soil material that has, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.
- Chemical treatment.** Control of unwanted vegetation through the use of chemicals.
- Chiseling.** Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.
- Clastic.** Pertaining to rock or sediment composed mainly of fragments derived from pre-existing rock or minerals and moved from their place of origin.
- Clay.** As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.
- Clay depletions.** See Redox features.
- Clay film.** A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.
- Claypan.** A dense, compact, slowly permeable subsoil layer that contains much more clay than the overlying materials, from which it is separated by a sharply defined boundary. A claypan is commonly hard when dry and plastic and sticky when wet.
- Climax plant community.** The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.
- Coarse textured soil.** Sand or loamy sand.
- Coarse-loamy.** A loamy particle-size class that is 15 percent or more fine sand or coarser, including fragments as much as 3 inches in diameter, and is less than 18 percent clay in the fine-earth fraction.
- Coarse-silty.** A loamy particle-size class that is less than 15 percent fine sand or coarser, including fragments as much as 3 inches in diameter, and is less than 18 percent clay in the fine-earth fraction.
- Cobble** (or cobblestone). A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.
- Cobbly soil material.** Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.
- COLE** (coefficient of linear extensibility). See Linear extensibility.
- Colluvium.** Unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g., direct gravitational action) and by local, unconcentrated runoff.
- Compaction.** The increase in soil bulk density as a result of applied loads or pressure. Compaction reduces porosity, water infiltration, and root penetration.
- Complex slope.** Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.
- Complex, soil.** A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.
- Concretions.** See Redox features.
- Conglomerate.** A coarse grained, clastic sedimentary rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.
- Coniferous.** Pertaining to plants of the *Coniferales* order of the *Gymnospermae* subdivision. Coniferous plants have cone fruit and are commonly, but not always, evergreen. Examples include ponderosa pine, Douglas-fir, and western larch.

- Conservation cropping system.** Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the effects of the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.
- Conservation tillage.** A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.
- Consistence, soil.** Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the *Soil Survey Manual*.
- Contour stripcropping (or contour farming).** Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.
- Control section.** The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.
- Corrosion.** (soil survey interpretations). Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.
- Cover crop.** A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.
- Crop residue management.** Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.
- Cropping system.** Growing crops according to a planned system of rotation and management practices.
- Cross-slope farming.** Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.
- Crown.** The upper part of a tree or shrub, including the living branches and their foliage.
- Cryic.** A soil temperature regime in which the mean annual soil temperature at a depth of 20 inches ranges from 33 to 46 degrees F. The mean summer soil temperature is less than 47 degrees for soils that have an O horizon, and it is less than 59 degrees for soils that do not have an O horizon.
- Cryoturbate.** A mass of soil or other unconsolidated earthy material moved or disturbed by frost action. It is typically coarser than the underlying material.
- Cutbanks cave** (in tables). The walls of excavations tend to cave in or slough.
- Decreasers.** The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be diminished by overgrazing.
- Deferred grazing.** Postponing grazing or resting grazing land for a prescribed period.
- Depth, soil.** Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.
- Diagnostic horizons.** Combinations of specific soil characteristics that are indicative of certain classes of soils. Those that occur at the soil surface are called epipedons, and those that occur below the soil surface are called diagnostic subsurface horizons.

- Diversion** (or diversion terrace). A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.
- Divided-slope farming.** A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.
- Dolomite.** A sedimentary rock consisting mainly of the mineral dolomite, which is a carbonate of magnesium.
- Drainage class** (natural). Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized—excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the *Soil Survey Manual*.
- Drainage, surface.** Runoff, or surface flow of water, from an area.
- Drainageway.** A general term for a course or channel along which water moves in draining an area. A term restricted to relatively small, linear depressions that at some time move concentrated water and either do not have a defined channel or have only a small defined channel.
- Draw.** A small stream valley that generally is shallower and more open than a ravine or gulch and that has a broader bottom. The present stream channel may appear inadequate to have cut the drainageway that it occupies.
- Duff.** A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and grades from litter on the surface to underlying humus.
- Duripan.** A subsurface soil horizon that is cemented by illuvial silica, commonly opal or microcrystalline forms of silica, to the degree that less than 50 percent of the volume of air-dry fragments will slake in water or hydrochloric acid.
- Ecological site.** An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.
- Effervescence.** The gaseous response exhibited as bubbles on the soil ped when drops of dilute (1:10) hydrochloric acid (HCl) are applied. This response typically indicates the presence of calcium carbonates (CaCO₃).
- Eluviation.** The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.
- Endosaturation.** A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.
- Eolian deposit.** Sand-, silt-, or clay-sized clastic material transported and deposited primarily by wind, commonly in the form of a dune or a sheet of sand or loess.
- Ephemeral stream.** A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.
- Episaturation.** A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

- Erosion.** The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.
- Erosion* (geologic). Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains.
Synonym: natural erosion.
- Erosion* (accelerated). Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or catastrophic in nature, such as fire, that exposes the surface.
- Escarpment.** A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Most commonly applied to cliffs produced by differential erosion.
Synonym: scarp.
- Fallow.** Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is managed for at least one growing season for weed control and decomposition of plant residue.
- Fan remnant.** A general term for landforms that are the remaining parts of older fan landforms, such as alluvial fans, that have been either dissected or partially buried.
- Fault.** A fracture or fracture zone of the earth with displacement along one side in respect to the other.
- Fertility, soil.** The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.
- Fibric soil material (peat).** The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.
- Field moisture capacity.** The moisture content of a soil, expressed as a percentage of the oven-dry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called normal field capacity, normal moisture capacity, or capillary capacity.
- Fine-textured soil.** Sandy clay, silty clay, or clay.
- Fine-loamy.** A loamy particle-size class that is 15 percent or more fine sand or coarser, including fragments as much as 3 inches in diameter, and is 18 to 34 percent clay in the fine-earth fraction.
- Fine-silty.** A loamy particle-size class that is less than 15 percent fine sand or coarser, including fragments as much as 3 inches in diameter, and is 18 to 34 percent clay in the fine-earth fraction.
- Firebreak.** An area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.
- Flaggy soil material.** Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.
- Flagstone.** A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.
- Flood plain.** The nearly level plain that borders a stream and is subject to flooding unless protected artificially.
- Flood-plain step.** An essentially flat, terrace-like alluvial surface within a valley that is frequently covered by floodwater from the present stream; any approximately horizontal surface still actively modified by fluvial scour and/or deposition. May occur individually or as a series of steps.

- Fluvial.** Of or pertaining to rivers or streams; produced by stream or river action.
- Foothills.** A region of steeply sloping hills that fringes a mountain range or high-plateau escarpment. The hills have relief of as much as 1,000 feet (300 meters).
- Footslope.** The concave surface at the base of a hillslope. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).
- Forb.** Any herbaceous plant not a grass or a sedge.
- Forest cover.** All trees and other woody plants (underbrush) covering the ground in a forest.
- Forest type.** A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.
- Forestland.** Land on which the historic vegetation was dominated by a 25 percent overstory canopy cover of trees, as determined by crown perimeter-vertical projection. A tree is defined as a woody-stemmed plant that can grow to 4 meters (about 13 feet) in height at maturity.
- Fragmental.** A particle-size class used to classify mineral soils that have less than 10 percent by volume fine-earth soil material.
- Frigid.** A soil temperature regime in which the mean annual soil temperature at a depth of 20 inches ranges from 33 to 46 degrees F. The mean summer soil temperature is more than 47 degrees for soils that have an O horizon. The difference between the mean winter soil temperature and the mean summer soil temperature is more than 9 degrees F.
- Genesis, soil.** The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.
- Geomorphic surface.** A mappable area of the earth's surface that has a common history; the area is of similar age and is formed by a set of processes during an episode of landscape evolution.
- Gleyed soil.** Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.
- Grassed waterway.** A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.
- Gravel.** Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.
- Gravelly soil material.** Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.
- Grazing system, planned.** A system for managing rangeland in which three or more fields are alternately grazed and then rested in a planned sequence for a period of years.
- Green manure crop (agronomy).** A soil-improving crop grown to be terminated in an early stage of maturity or soon after maturity.
- Ground water.** Water filling all the unblocked pores of the material below the water table.
- Gully.** A small channel with steep sides caused by erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage; a rill is of lesser depth and can be smoothed over by ordinary tillage.
- Gypsum.** A mineral consisting of hydrous calcium sulfate.
- Habitat type.** An aggregation of all land areas capable of producing similar climax plant communities.

- Hard bedrock.** Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.
- Hardpan.** A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.
- Head slope** (geomorphology). A geomorphic component of hills consisting of a laterally concave area of a hillside, especially at the head of a drainageway. The overland waterflow is converging.
- Hemic soil material** (mucky peat). Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.
- High-residue crops.** Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.
- Hill.** A generic term for an elevated area of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline. The distinction between a hill and a mountain is arbitrary and may depend on local usage.
- Hillslope.** A generic term for the steeper part of a hill between its summit and the drainage line, valley flat, or depression floor at the base of a hill.
- Histic epipedon.** A thin, organic soil horizon that is saturated with water at some time during the year unless it is artificially drained. This horizon is at or near the surface of a mineral soil. It contains more than 12 percent organic carbon.
- Historic climax plant community.** The plant community that was best adapted to the unique combination of factors associated with the ecological site. It was in a natural dynamic equilibrium with the historic biotic, abiotic, and climatic factors on its ecological site in North America at the time of European immigration and settlement.
- Horizon, soil.** A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the *Soil Survey Manual*. The major horizons of mineral soil are as follows:
- O horizon.*—An organic layer of fresh and decaying plant residue.
- A horizon.*—The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.
- B horizon.*—The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.
- C horizon.*—The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.
- Cr horizon.*—Soft, consolidated bedrock beneath the soil.
- R horizon.*—Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

Humus. The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups. Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties are depth to a seasonal high water table, the infiltration rate and permeability after prolonged wetting, and depth to a very slowly permeable layer. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Illuviation. The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil. A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers. Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and the less palatable to livestock.

Indurated. Refers to having a hard, brittle consistency as a result of particles being held together by cementing substances such as silica, calcium carbonate, and iron. An indurated layer can be broken by a sharp blow of a hammer.

Infiltration. The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity. The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate. The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Intake rate. The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

| | |
|---------------------|-----------------|
| Less than 0.2..... | very low |
| 0.2 to 0.4 | low |
| 0.4 to 0.75 | moderately low |
| 0.75 to 1.25 | moderate |
| 1.25 to 1.75 | moderately high |
| 1.75 to 2.5 | high |
| More than 2.5 | very high |

Intermittent stream. A stream, or reach of a stream, that does not flow year-round but that is commonly dry for 3 or more months out of 12 and whose channel is generally below the local water table. It flows only during wet periods or when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Invaders. On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Also, these plants invade following disturbance of the surface.

Iron depletions. See Redox features.

Irrigation. Application of water to soils to assist in production of crops. Methods of irrigation are:

Border.—Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding.—Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation.—Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle).—Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow.—Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler.—Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation.—Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding.—Water, released at high points, is allowed to flow onto an area without controlled distribution.

Knoll. A small, low, rounded hill rising above adjacent landforms.

Ksat. See Saturated hydraulic conductivity.

Lacustrine deposit. Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Lake plain. A nearly level surface marking the floor of an extinct lake filled by well sorted, generally fine textured, stratified deposits, commonly containing varves.

Lake terrace. A narrow shelf, partly cut and partly built, produced along a lakeshore in front of a scarp line of low cliffs and later exposed when the water level falls.

Landform. Any physical, recognizable form or feature on the earth's surface that has a characteristic shape and range in composition and is produced by natural causes; it can span a wide range in size. Landforms provide an empirical description of similar portions of the earth's surface.

Landscape (soils). An assemblage, group, or family of spatially related, natural landforms over a relatively large area; the land surface which the eye can comprehend in a single view.

Landslide. A general, encompassing term for most types of mass movement landforms and processes involving the downslope transport and outward deposition of soil and rock materials caused by gravitational forces; the movement may or may not involve saturated materials. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones (in tables). Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Leaching. The removal of soluble material from soil or other material by percolating water.

Limestone. Sedimentary rock consisting mainly of calcium carbonate (CaCO_3).

Linear extensibility. Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

Liquid limit. The moisture content at which the soil passes from a plastic to a liquid state.

Lithic contact. A boundary between soil and coherent underlying material, typically bedrock. The bedrock has a cementation class of strongly cemented or stronger and is typically referred to as an R horizon.

- Lithologic discontinuity.** A significant change in particle-size distribution or mineralogy that indicates a difference in the material from which the soil horizons have formed.
- Loam.** Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.
- Loamy-skeletal.** A particle-size class in which rock fragments 2 millimeters in diameter or larger make up 35 percent or more by volume. The fine-earth fraction is loamy.
- Loess.** Material transported and deposited by wind and consisting dominantly of silt-sized particles.
- Low-residue crops.** Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.
- Low strength.** The soil is not strong enough to support loads.
- Major Land Resource Area (MLRA).** A broad geographic land area characterized by a particular pattern of soils, geology, climate, water resources, and land use. An area is typically continuous, but small separate areas can occur.
- Mass movement.** A generic term for the dislodgment and downslope transport of soil and rock material as a unit under direct gravitational stress.
- Masses.** Concentrations of substances in the soil matrix that do not have a clearly defined boundary with the surrounding soil material and cannot be removed as a discrete unit. Common compounds making up masses are calcium carbonate, gypsum or other soluble salts, iron oxide, and manganese oxide. Masses consisting of iron oxide or manganese oxide generally are considered a type of redox concentration. (See Redox features.)
- Mature forest stage.** A forest successional stage in which the most shade-tolerant adapted tree species are well represented (more than 50 percent composition) and are dominant in the middle to upper canopy layers. Trees generally are more than 9 inches in diameter at breast height, and the canopy cover is more than 25 percent.
- Meander belt.** The zone within which migration of a meandering channel occurs; the flood-plain area included between two imaginary lines drawn tangential to the outer bends of active channel loops.
- Meander scar.** A crescent-shaped, concave or linear mark on the face of a bluff or valley wall, produced by the lateral erosion of a meandering stream that impinged upon and undercut the bluff.
- Meander scroll.** One of a series of long, parallel, close-fitting, crescent-shaped ridges and troughs formed along the inner bank of a stream meander as the channel migrated laterally down-valley and toward the outer bank.
- Mechanical treatment.** Use of mechanical equipment for seeding, brush management, and other management practices.
- Medium-textured soil.** Very fine sandy loam, loam, silt loam, or silt.
- Metamorphic rock.** Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth's crust. Nearly all such rocks are crystalline.
- Microclimate.** The climate of a small distinct area, as of a forest or city, or a confined space, as of a building or greenhouse.
- Mine spoil.** An accumulation of displaced earthy material, rock, or other waste material removed during mining or excavation. Also called earthy fill.
- Mineral soil.** Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.
- Minimum tillage.** Only the tillage essential to crop production and prevention of soil damage.
- Miscellaneous area.** A kind of map unit component that has little or no natural soil and supports little or no vegetation.

Moderately coarse-textured soil. Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately fine-textured soil. Clay loam, sandy clay loam, or silty clay loam.

Moisture control section. The layer within a soil profile used to determine the soil moisture regime. The upper boundary is the depth to which a dry soil is moistened by 1 inch of water in 24 hours. The lower boundary is the depth to which a dry soil is moistened by 3 inches of water in 48 hours.

Mollic epipedon. A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Morphology, soil. The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil. Irregular spots of different colors that vary in number and size.

Descriptive terms are as follows: abundance—few, common, and many; size—fine, medium, and coarse; and contrast—faint, distinct, and prominent. The size measurements are of the diameter along the greatest dimension. Fine indicates less than 5 millimeters (about 0.2 inch); medium, from 5 to 15 millimeters (about 0.2 to 0.6 inch); and coarse, more than 15 millimeters (about 0.6 inch).

Mountain. A generic term for an elevated area of the land surface, rising more than 1,000 feet (300 meters) above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can occur as a single, isolated mass or in a group forming a chain or range. Mountains are formed primarily by tectonic activity and/or volcanic action but can also be formed by differential erosion.

Mountain valleys. Any small, externally drained depression floored with either till or alluvium, that occurs on a mountain or within mountains.

Muck. Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mucky peat. A USDA texture associated with organic soils that meet the degree of organic matter decomposition associated with hemic soil material.

Munsell notation. A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Natric horizon. A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

Neutral soil. A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

Nodules. See Redox features.

Nutrient, plant. Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Ochric epipedon. A surface horizon of mineral soil that is too light in color, too high in chroma, too low in organic carbon, or too thin to be a mollic, umbric, or histic epipedon.

Organic matter. Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

| | |
|---------------------|-----------------------|
| Very low | less than 0.5 percent |
| Low | 0.5 to 1.0 percent |
| Moderately low..... | 1.0 to 2.0 percent |
| Moderate..... | 2.0 to 4.0 percent |
| High | 4.0 to 8.0 percent |
| Very high..... | more than 8.0 percent |

- Orogenic.** Of or pertaining to the process of mountain formation.
- Overstory.** The trees in a forest that form the upper crown cover. (See Understory.)
- Pan.** A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan*, *fragipan*, *claypan*, *plowpan*, and *traffic pan*.
- Paralithic contact.** A boundary between soil and coherent underlying material that can be dug with difficulty with a spade. It is referred to as weathered bedrock, has a cementation class of moderately cemented or weaker, and is typically referred to as a Cr horizon.
- Pararock fragments.** Fragments of rock that are 2 millimeters in diameter or more (e.g., paragravel, paracobble, or parastone). Pararock fragments have a moderately cemented to extremely weakly cemented rupture-resistance class.
- Parent material.** The unconsolidated organic and mineral material in which soil forms.
- Peat.** Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)
- Ped.** An individual natural soil aggregate, such as a granule, a prism, or a block.
- Pedologic.** Of or pertaining to the processes of soil formation.
- Pedon.** The smallest volume that can be called “a soil.” A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.
- Percolation.** The movement of water through the soil.
- pH value.** A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)
- Phase, soil.** A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.
- Piping** (in tables). Formation of subsurface tunnels or pipelike cavities by water moving through the soil.
- Plastic limit.** The moisture content at which a soil changes from semisolid to plastic.
- Plasticity index.** The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.
- Plateau** (geomorphology). A comparatively flat area of great extent and elevation; specifically, an extensive land region that is considerably elevated (more than 100 meters) above the adjacent lower lying terrain, is commonly limited on at least one side by an abrupt descent, and has a flat or nearly level surface. A comparatively large part of a plateau surface is near summit level.
- Pleistocene.** The epoch of geologic time from approximately 10,000 to 2 million years ago. The earlier of the two epochs comprising the Quaternary period. Also called the Glacial epoch.
- Plowpan.** A compacted layer formed in the soil directly below the plowed layer.
- Ponding.** Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.
- Poorly graded.** Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.
- Pore linings.** See Redox features.
- Potential native plant community.** See Climax plant community.
- Potential rooting depth** (effective rooting depth). Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.
- Prescribed burning.** Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.
- Productivity, soil.** The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil. A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use. Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and promotes the accumulation of litter and mulch necessary to conserve soil and water.

Quartzite. A nonfoliated metamorphic rock consisting mainly of quartz sand cemented with quartz.

Quaternary. The period of the Cenozoic era of geologic time, extending from the end of the Tertiary (about 2 million years ago) to the present and comprising two epochs, the Pleistocene (Ice Age) and the Holocene (Recent).

Rangeland. Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Reaction, soil. A measure of acidity or alkalinity of a soil, expressed as pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

| | |
|------------------------------|----------------|
| Ultra acid | less than 3.5 |
| Extremely acid | 3.5 to 4.4 |
| Very strongly acid..... | 4.5 to 5.0 |
| Strongly acid | 5.1 to 5.5 |
| Moderately acid..... | 5.6 to 6.0 |
| Slightly acid..... | 6.1 to 6.5 |
| Neutral | 6.6 to 7.3 |
| Slightly alkaline | 7.4 to 7.8 |
| Moderately alkaline | 7.9 to 8.4 |
| Strongly alkaline..... | 8.5 to 9.0 |
| Very strongly alkaline | 9.1 and higher |

Redox features. Redox features are associated with wetness and result from alternating periods of reduction and oxidation of iron and manganese compounds in the soil. Reduction occurs during saturation with water, and oxidation occurs when the soil is not saturated. Characteristic color patterns are created by these processes. The reduced iron and manganese ions may be removed from a soil if vertical or lateral fluxes of water occur, in which case there is no iron or manganese precipitation in that soil. Wherever the iron and manganese are oxidized and precipitated, they form either soft masses or hard concretions or nodules. Movement of iron and manganese as a result of redoximorphic processes in a soil may result in Redox features that are defined as follows:

1. Redox concentrations.—These are zones of apparent accumulation of iron-manganese oxides, including:
 - A. Nodules and concretions, which are cemented bodies that can be removed from the soil intact. Concretions are distinguished from nodules on the basis of internal organization. A concretion typically has concentric layers that are visible to the naked eye. Nodules do not have visible organized internal structure; *and*
 - B. Masses, which are noncemented concentrations of substances within the soil matrix; *and*
 - C. Pore linings, i.e., zones of accumulation along pores that may be either coats on pore surfaces or impregnations from the matrix adjacent to the pores.

2. Redox depletions.—These are zones of low chroma (chromas less than those in the matrix) where either iron-manganese oxides alone or both iron-manganese oxides and clay have been stripped out, including:
 - A. Iron depletions, i.e., zones that contain low amounts of iron and manganese oxides but have a clay content similar to that of the adjacent matrix; *and*
 - B. Clay depletions, i.e., zones that contain low amounts of iron, manganese, and clay (often referred to as silt coats or skeletans).
3. Reduced matrix.—This is a soil matrix that has low chroma *in situ* but undergoes a change in hue or chroma within 30 minutes after the soil material has been exposed to air.

Reduced matrix. See Redox features.

Regolith. All unconsolidated earth materials above the solid bedrock. It includes material weathered in place from all kinds of bedrock and alluvial, glacial, eolian, lacustrine, and pyroclastic deposits.

Relief. The relative difference in elevation between the upland summits and the lowlands or valleys of a given region.

Residuum (residual soil material). Unconsolidated, weathered, or partly weathered mineral material that accumulated as bedrock weathers in place.

Restrictive feature. A nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly reduce the movement of water and/or air through the soil or that otherwise provide an unfavorable root environment.

Rill. A very small, steep-sided channel resulting from erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. A rill generally is not an obstacle to wheeled vehicles and is shallow enough to be smoothed over by ordinary tillage.

Riparian. Refers to areas adjacent to water or wetlands; vegetation is dependent on water or use and management directly impacts the water or wetlands.

Road cut. A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments. Rock or mineral fragments having a diameter of 2 millimeters or more; for example, gravel, cobbles, stones, and boulders.

Rock outcrop. Exposures of bare bedrock other than lava flows and rock-lined pits.

Root zone. The part of the soil that can be penetrated by plant roots.

Rubble land. Areas that consist of cobbles, stones, and boulders, commonly at the base of mountains.

Runoff. The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Saline soil. A soil containing soluble salts in an amount that impairs growth of plants. A saline soil does not contain excess exchangeable sodium.

Sand. As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone. Sedimentary rock containing dominantly sand-sized particles.

Sandy. A particle-size class in which the texture of the fine-earth fraction is sand or loamy sand but not loamy very fine sand or very fine sand; it is less than 35 percent rock fragments by volume.

Sandy-skeletal. A particle-size class that is 35 percent or more by volume rock fragments 2 millimeters in diameter or larger. The fine-earth fraction is sandy.

Sapric soil material (muck). The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saturated hydraulic conductivity (Ksat). The ease with which pores of a saturated soil transmit water. Formally, the proportionality coefficient that expresses the relationship of the rate of water movement to hydraulic gradient in Darcy's Law, a law that describes the rate of water movement through porous media. Commonly abbreviated as "Ksat." Terms describing saturated hydraulic conductivity are *very high*, 100 or more micrometers per second (14.17 or more inches per hour); *high*, 10 to 100 micrometers per second (1.417 to 14.17 inches per hour); *moderately high*, 1 to 10 micrometers per second (0.1417 inch to 1.417 inches per hour); *moderately low*, 0.1 to 1 micrometer per second (0.01417 to 0.1417 inch per hour); *low*, 0.01 to 0.1 micrometer per second (0.001417 to 0.01417 inch per hour); and *very low*, less than 0.01 micrometer per second (less than 0.001417 inch per hour). To convert inches per hour to micrometers per second, multiply inches per hour by 7.0572. To convert micrometers per second to inches per hour, multiply micrometers per second by 0.1417.

Saturation. Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Scarification. The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Secondary carbonates and silica. Calcium carbonate and silica weathered from the soil matrix in upper soil horizons and then transported and deposited in the lower horizons by water moving through the soil profile.

Sedimentary rock. A consolidated deposit of clastic particles, chemical precipitates, or organic remains accumulated at or near the surface of the earth under normal low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, and marine deposits. Examples are sandstone, siltstone, mudstone, claystone, shale, conglomerate, limestone, dolomite, and coal.

Sequum. A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil. A group of soils that have profiles that are almost alike. All the soils of a given series have horizons that are similar in composition, thickness, and arrangement.

Shale. Sedimentary rock that formed by the hardening of a deposit of clay, silty clay, or silty clay loam and that has a tendency to split into thin layers.

Sheet erosion. The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Shoulder. The convex, erosional surface near the top of a hillslope. A shoulder is a transition from summit to backslope.

Shrink-swell (in tables). The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Shrub-coppice dune. A small, streamlined dune that forms around brush and clump vegetation.

Side slope (geomorphology). A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel. Side slopes are dominantly colluvium and slope-wash sediments.

Silica. A combination of silicon and oxygen. The mineral form is called quartz.

Silt. As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone. An indurated silt having the texture and composition of shale but lacking its fine lamination or fissility; a massive mudstone in which silt predominates over clay.

Similar soils. Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Site index. A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Slickensides (pedogenic). Grooved, striated, and/or glossy (shiny) slip faces on structural peds, such as wedges; produced by shrink-swell processes, most commonly in soils that have a high content of expansive clays.

Slope. The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance.

Slope alluvium. Sediment gradually transported down the slopes of mountains or hills primarily by nonchannel alluvial processes (i.e., slope-wash processes) and characterized by particle sorting. Lateral particle sorting is evident on long slopes. In a profile sequence, sediments may be distinguished by differences in size and/or specific gravity of rock fragments and may be separated by stone lines. Burnished peds and sorting of rounded or subrounded gravel or cobbles distinguish these materials from unsorted colluvial deposits.

Slow water movement (in tables). Restricted downward movement of water through the soil. (See Saturated hydraulic conductivity.)

Slump. A mass movement process characterized by a landslide involving shearing and rotary movement of a generally independent mass of rock or earth along a curved slip surface. The mass (slump) has its axis parallel to the slope from which it descends. A slump surface commonly exhibits a reversed slope facing uphill.

Sodic (alkali) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodicity. The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of Na^+ to $\text{Ca}^{++} + \text{Mg}^{++}$. The degrees of sodicity and their respective ratios are:

| | |
|----------------|----------------|
| Slight | less than 13:1 |
| Moderate | 13-30:1 |
| Strong..... | more than 30:1 |

Sodium adsorption ratio (SAR). A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

Soft bedrock. Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil. A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief and by the passage of time.

Soil separates. Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

| | |
|-----------------------|------------|
| Very coarse sand..... | 2.0 to 1.0 |
| Coarse sand | 1.0 to 0.5 |

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| | |
|----------------------|-----------------|
| Medium sand | 0.5 to 0.25 |
| Fine sand..... | 0.25 to 0.10 |
| Very fine sand | 0.10 to 0.05 |
| Silt..... | 0.05 to 0.002 |
| Clay | less than 0.002 |

Solum. The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Spodic horizon. An illuvial horizon that is 85 percent or more spodic material. This layer is dominated by active amorphous material that is illuvial and is composed of organic matter and aluminum, with or without iron.

Stone line. In a vertical cross section, a line formed by scattered fragments or a discrete layer of angular and subangular rock fragments (commonly a gravel- or cobble-sized lag concentration) that formerly was draped across a topographic surface and was later buried by additional sediments. A stone line generally caps material that was subject to weathering, soil formation, and erosion before burial. Many stone lines seem to be buried erosion pavements, originally formed by sheet and rill erosion across the land surface.

Stones. Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony. Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Stream terrace. One of a series of surfaces in a stream valley, flanking and more or less parallel to the stream channel, originally formed near the level of the stream; represents the remnants of an abandoned flood plain, stream bed, or valley floor produced during a former state of fluvial erosion or deposition.

Structure, soil. The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are—*platy* (laminated), *prismatic* (vertical axis of aggregates longer than horizontal), *columnar* (prisms with rounded tops), *blocky* (angular or subangular), and *granular*. *Structureless* soils are either *single grain* (each grain by itself, as in dune sand) or *massive* (the particles adhering without any regular cleavage, as in many hardpans).

Stubble mulch. Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind erosion and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil. Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling. Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

Substratum. The part of the soil below the solum.

Subsurface layer. Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summer fallow. Management of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit. The topographically highest position of a hillslope. It has a nearly level (planar or slightly convex) surface.

Surface layer. The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the “plow layer,” or the “Ap horizon.”

- Talus.** Rock fragments of any size or shape (commonly coarse and angular) derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose broken rock formed chiefly by falling, rolling, or sliding.
- Terrace (geomorphology).** A steplike surface, bordering a valley floor or shoreline, that represents the former position of a flood plain, lake, or seashore. The term is usually applied both to the relatively flat summit surface (tread) that was cut or built by stream or wave action and to the steeper descending slope (scarp or riser) that has graded to a lower base level of erosion.
- Terracettes.** Small, irregular steplike forms on steep hillslopes, especially in pasture, formed by creep or erosion of surficial materials that may be induced or enhanced by trampling of livestock, such as sheep or cattle.
- Tertiary.** The period of geologic time from approximately 2 to 63 million years ago (radiometric dates). The earlier of the two geologic periods comprising the Cenozoic era.
- Texture, soil.** The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand*, *loamy sand*, *sandy loam*, *loam*, *silt loam*, *silt*, *sandy clay loam*, *clay loam*, *silty clay loam*, *sandy clay*, *silty clay*, and *clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying "coarse," "fine," or "very fine."
- Thin layer** (in tables). Otherwise suitable soil material that is too thin for the specified use.
- Tilth, soil.** The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.
- Toeslope.** The gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear and are constructional surfaces forming the lower part of a hillslope continuum that grades to valley or closed-depression floors.
- Topsoil.** The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.
- Trace elements.** Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.
- Tread.** The flat to gently sloping, topmost, laterally extensive slope of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural steplike landforms, such as successive stream terraces.
- Tuff.** A generic term for any consolidated or cemented deposit that is 50 percent or more volcanic ash.
- Understory.** Any plants in a forest community that grow to a height of less than 5 feet.
- Upland.** An informal, general term for the higher ground of a region, in contrast with a low-lying adjacent area, such as a valley or plain, or for land at a higher elevation than the flood plain or low stream terrace; land above the footslope zone of the hillslope continuum.
- Valley fill.** The unconsolidated sediment deposited by any agent (water, wind, ice, or mass wasting) so as to fill or partly fill a valley.
- Variegation.** Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.
- Weathering.** All physical disintegration, chemical decomposition, and biologically induced changes in rocks or other deposits at or near the earth's surface by atmospheric or biologic agents or by circulating surface waters but involving essentially no transport of the altered material.
- Well graded.** Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

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Wilting point (or permanent wilting point). The moisture content of soil, on an oven-dry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Xeric. A soil moisture regime common to a climate having moist winters and dry summers. The soils are dry in the moisture control section for more than 45 consecutive days during the 4 months following the summer solstice and are moist for more than 45 consecutive days during the 4 months following the winter solstice.

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Acreage and Proportionate Extent of the Soils

| Map symbol | Soil name | Acres | Percent |
|---------------|---|--------|---------|
| 1 | Ant Flat silty clay loam, 1 to 4 percent slopes----- | 700 | 0.2 |
| 2 | Ant Flat silty clay loam, 4 to 12 percent slopes----- | 386 | * |
| 3 | Ant Flat silty clay loam, 12 to 20 percent slopes----- | 505 | 0.1 |
| 4 | Arbone silt loam, 1 to 4 percent slopes----- | 1,588 | 0.4 |
| 5 | Arbone silt loam, 4 to 12 percent slopes----- | 614 | 0.1 |
| 6 | Arbone silt loam, dry, 8 to 25 percent slopes----- | 405 | * |
| 7 | Arbone-Wursten complex, 1 to 4 percent slopes----- | 523 | 0.1 |
| 8 | Arbone-Wursten complex, 4 to 12 percent slopes----- | 585 | 0.1 |
| 9 | Arbone-Wursten complex, dry, 4 to 12 percent slopes----- | 547 | 0.1 |
| 10 | Bailcreek-Dranburn complex, 10 to 50 percent slopes----- | 305 | * |
| 11 | Bailcreek-Toponce complex, 4 to 20 percent slopes----- | 398 | * |
| 12 | Bancroft silt loam, 1 to 4 percent slopes----- | 2,860 | 0.6 |
| 13 | Bancroft silt loam, 4 to 12 percent slopes----- | 2,321 | 0.5 |
| 14 | Bancroft silt loam, 12 to 25 percent slopes----- | 374 | * |
| 15 | Bear Lake-Bear Lake, ponded complex, 0 to 1 percent slopes----- | 18,731 | 4.2 |
| 16 | Bear Lake-Chesbrook-La Roco complex, 0 to 2 percent slopes----- | 7,451 | 1.7 |
| 17 | Bear Lake-Lago complex, 0 to 2 percent slopes----- | 5,390 | 1.2 |
| 18 | Bearbou silt loam, 0 to 2 percent slopes----- | 865 | 0.2 |
| 19 | Bearhollow-Brifox-Iphil complex, 4 to 12 percent slopes----- | 892 | 0.2 |
| 20 | Bearhollow-Brifox-Iphil complex, 12 to 35 percent slopes----- | 2,614 | 0.6 |
| 21 | Benning silt loam, 1 to 4 percent slopes----- | 1,177 | 0.3 |
| 22 | Bern silt loam, 0 to 2 percent slopes----- | 7,290 | 1.7 |
| 23 | Bezzant gravelly silt loam, 8 to 25 percent slopes----- | 822 | 0.2 |
| 24 | Bezzant-Swanpeak complex, 4 to 35 percent slopes----- | 357 | * |
| 25 | Bischoff-Hagenbarth complex, 15 to 50 percent slopes----- | 938 | 0.2 |
| 26 | Bloomington mucky silt loam, 0 to 2 percent slopes----- | 3,344 | 0.8 |
| 27 | Boundridge-Sweetcreek complex, 3 to 15 percent slopes----- | 1,452 | 0.3 |
| 28 | Boydhollo-Slan-Cokeville complex, 15 to 65 percent slopes----- | 2,834 | 0.6 |
| 29 | Brifox-Lizdale complex, 4 to 12 percent slopes----- | 617 | 0.1 |
| 30 | Brifox-Niter complex, 4 to 12 percent slopes----- | 486 | 0.1 |
| 31 | Brifox-Niter complex, 12 to 25 percent slopes----- | 524 | 0.1 |
| 32 | Broadhead silt loam, 1 to 4 percent slopes----- | 432 | * |
| 33 | Broadhead silt loam, 4 to 12 percent slopes----- | 1,299 | 0.3 |
| 34 | Broadhead-Hades-Swanpeak complex, 10 to 30 percent slopes----- | 808 | 0.2 |
| 35 | Buist gravelly silt loam, 1 to 4 percent slopes----- | 4,372 | 1.0 |
| 36 | Buist gravelly silt loam, 4 to 12 percent slopes----- | 877 | 0.2 |
| 37 | Buist gravelly silt loam, dry, 4 to 12 percent slopes----- | 213 | * |
| 38 | Buist very gravelly silt loam, 1 to 4 percent slopes----- | 701 | 0.2 |
| 39 | Buist-Arbone complex, 1 to 4 percent slopes----- | 956 | 0.2 |
| 40 | Burchert-Whitetop complex, 10 to 45 percent slopes----- | 439 | * |
| 41 | Cedarhill gravelly silt loam, 5 to 25 percent slopes----- | 1,998 | 0.5 |
| 42 | Cedarhill gravelly silt loam, dry, 10 to 40 percent slopes----- | 1,073 | 0.2 |
| 43 | Cedarhill-Bearhollow complex, 5 to 20 percent slopes----- | 1,768 | 0.4 |
| 44 | Cedarhill-Buist complex, 10 to 30 percent slopes----- | 2,088 | 0.5 |
| 45 | Cedarhill-Burchert complex, 5 to 50 percent slopes----- | 516 | 0.1 |
| 46 | Cedarhill-Clegg complex, 2 to 20 percent slopes----- | 972 | 0.2 |
| 47 | Cedarhill-Clegg-Drage complex, 5 to 55 percent slopes----- | 7,302 | 1.7 |
| 48 | Cedarhill-Pinehollow complex, dry, 5 to 45 percent slopes----- | 1,454 | 0.3 |
| 49 | Cedarhill-Wursten complex, 5 to 35 percent slopes----- | 897 | 0.2 |
| 50 | Chesbrook-Bear Lake complex, 0 to 2 percent slopes----- | 1,061 | 0.2 |
| 51 | Chinhill silt loam, 1 to 4 percent slopes----- | 223 | * |
| 52 | Chokecherry-Dranyon complex, 15 to 60 percent slopes----- | 635 | 0.1 |
| 53 | Chokecherry-Slights-Sheep Creek complex, 5 to 40 percent slopes----- | 583 | 0.1 |
| 54 | Chokecherry-Tubbs Hollow-Sheep Creek complex, 3 to 60 percent slopes----- | 1,146 | 0.3 |
| 55 | Church Springs-Monida complex, 4 to 25 percent slopes----- | 762 | 0.2 |
| 56 | Cleavage-Rock outcrop complex, 2 to 45 percent slopes----- | 1,386 | 0.3 |
| 57 | Clegg silt loam, 1 to 4 percent slopes----- | 257 | * |
| 58 | Clegg silt loam, 4 to 20 percent slopes----- | 2,081 | 0.5 |
| 59 | Clegg-Grecan complex, 4 to 20 percent slopes----- | 3,322 | 0.8 |
| 60 | Cooley-Beehunt complex, dry, 20 to 65 percent slopes----- | 4,042 | 0.9 |
| 61 | Crossley-Rock outcrop complex, 4 to 35 percent slopes----- | 1,502 | 0.3 |
| 62 | Crossley-Whitetop-Rock outcrop complex, 8 to 45 percent slopes----- | 180 | * |
| 63 | Cupine-Dunford complex, 20 to 60 percent slopes----- | 1,219 | 0.3 |

See footnote at end of table.

Soil Survey of Bear Lake County Area, Idaho

Acreage and Proportionate Extent of the Soils--Continued

| Map symbol | Soil name | Acres | Percent |
|---------------|--|-------|---------|
| 64 | Cupine-Falula complex, dry, 5 to 50 percent slopes----- | 547 | 0.1 |
| 65 | Dennot-Thatcher complex, dry, 2 to 20 percent slopes----- | 505 | 0.1 |
| 66 | Dingle muck, 0 to 2 percent slopes----- | 1,165 | 0.3 |
| 67 | Dinswamp mucky peat, 0 to 2 percent slopes----- | 6,496 | 1.5 |
| 68 | Dipcreek-Cutoff-Sheep Creek complex, 5 to 50 percent slopes----- | 1,461 | 0.3 |
| 69 | Dipcreek-Rock outcrop complex, 5 to 30 percent slopes----- | 242 | * |
| 70 | Dirtyhead-Cedarhill complex, 12 to 45 percent slopes----- | 3,384 | 0.8 |
| 71 | Dirtyhead-Mumford-Dranburn complex, 10 to 50 percent slopes----- | 1,818 | 0.4 |
| 72 | Dollarhide very gravelly sandy loam, 5 to 45 percent slopes----- | 569 | 0.1 |
| 73 | Dollarhide-Grunder complex, 15 to 50 percent slopes----- | 1,315 | 0.3 |
| 74 | Drage-Causey-Lilcan complex, 10 to 35 percent slopes----- | 581 | 0.1 |
| 75 | Dranburn-Hoopgobel-Ledgehollow complex, 10 to 40 percent slopes----- | 548 | 0.1 |
| 76 | Dranburn-Pavohroo complex, 10 to 55 percent slopes----- | 1,603 | 0.4 |
| 77 | Dranburn-Pontuge complex, 10 to 40 percent slopes----- | 1,255 | 0.3 |
| 78 | Dranburn-Poulridge complex, 5 to 45 percent slopes----- | 672 | 0.2 |
| 79 | Dranyon silt loam, 10 to 40 percent slopes----- | 1,276 | 0.3 |
| 80 | Dry Canyon loam, dry, 5 to 30 percent slopes----- | 185 | * |
| 81 | Dry Canyon, dry-Cutoff complex, 12 to 40 percent slopes----- | 1,732 | 0.4 |
| 82 | Dumps, mine----- | 240 | * |
| 83 | Dutchcanyon gravelly silt loam, 4 to 12 percent slopes----- | 769 | 0.2 |
| 84 | Dutchcanyon-Frenchhollow complex, 5 to 20 percent slopes----- | 213 | * |
| 85 | Every-Preuss complex, 5 to 25 percent slopes----- | 4,706 | 1.1 |
| 86 | Every-Preuss complex, 25 to 50 percent slopes----- | 3,613 | 0.8 |
| 87 | Fishaven-Dutchcanyon complex, 8 to 20 percent slopes----- | 609 | 0.1 |
| 88 | Frenchhollow silty clay loam, 1 to 4 percent slopes----- | 672 | 0.2 |
| 89 | Frenchhollow silty clay loam, 4 to 20 percent slopes----- | 1,117 | 0.3 |
| 90 | Fury silt loam, 0 to 4 percent slopes----- | 523 | 0.1 |
| 91 | Georgecanyon gravelly silt loam, 1 to 4 percent slopes----- | 4,066 | 0.9 |
| 92 | Hades silt loam, 0 to 4 percent slopes----- | 628 | 0.1 |
| 93 | Hades silt loam, 4 to 12 percent slopes----- | 1,097 | 0.2 |
| 94 | Hades silt loam, 12 to 20 percent slopes----- | 641 | 0.1 |
| 95 | Hades-Horrocks complex, 10 to 30 percent slopes----- | 809 | 0.2 |
| 96 | Hagenbarth-Clegg complex, 5 to 35 percent slopes----- | 1,612 | 0.4 |
| 97 | Hagenbarth-Dranburn complex, 10 to 45 percent slopes----- | 578 | 0.1 |
| 98 | Hagenbarth-Horrocks complex, 20 to 50 percent slopes----- | 630 | 0.1 |
| 99 | Hagenbarth-Zeebar-Dranburn complex, 5 to 45 percent slopes----- | 4,049 | 0.9 |
| 100 | Hoopgobel-Cadero complex, 10 to 35 percent slopes----- | 350 | * |
| 101 | Hoopgobel-Slights complex, 15 to 35 percent slopes----- | 204 | * |
| 102 | Horrocks-Cedarhill complex, 12 to 50 percent slopes----- | 343 | * |
| 103 | Horrocks-Cleavage complex, 1 to 12 percent slopes----- | 779 | 0.2 |
| 104 | Horrocks-Cleavage complex, 12 to 55 percent slopes----- | 1,769 | 0.4 |
| 105 | Hutchley-Cupine-Vitale complex, 2 to 60 percent slopes----- | 5,079 | 1.2 |
| 106 | Iphil silt loam, 1 to 4 percent slopes----- | 1,399 | 0.3 |
| 107 | Iphil silt loam, 4 to 12 percent slopes----- | 2,026 | 0.5 |
| 108 | Iphil silt loam, 12 to 20 percent slopes----- | 559 | 0.1 |
| 109 | Iphil-Lanoak-Watercanyon complex, 12 to 25 percent slopes----- | 498 | 0.1 |
| 110 | Iphil-Watercanyon complex, 2 to 20 percent slopes----- | 3,386 | 0.8 |
| 111 | Iphil-Watercanyon complex, dry, 4 to 12 percent slopes----- | 346 | * |
| 112 | Ireland-Falula-Vicking complex, 15 to 40 percent slopes----- | 769 | 0.2 |
| 113 | Jacanyon-Cleavage complex, 10 to 50 percent slopes----- | 490 | 0.1 |
| 114 | Jebo-Cokeville-Dennot complex, dry, 5 to 35 percent slopes----- | 1,711 | 0.4 |
| 115 | Jebo-Cupine complex, 8 to 35 percent slopes----- | 163 | * |
| 116 | Jebo-Cupine complex, dry, 5 to 35 percent slopes----- | 5,824 | 1.3 |
| 117 | Jebo-Dipcreek complex, 5 to 45 percent slopes----- | 371 | * |
| 118 | Jebo-Dipcreek complex, dry, 10 to 55 percent slopes----- | 2,162 | 0.5 |
| 119 | Joes silt loam, 1 to 4 percent slopes----- | 4,960 | 1.1 |
| 120 | Joes silt loam, 4 to 15 percent slopes----- | 2,245 | 0.5 |
| 121 | Kucera silt loam, 8 to 20 percent slopes----- | 151 | * |
| 122 | Kucera-Chausse-Rexburg complex, 10 to 45 percent slopes----- | 3,456 | 0.8 |
| 123 | La Roco silty clay loam, 0 to 2 percent slopes----- | 2,794 | 0.6 |
| 124 | La Roco silty clay loam, saline, 0 to 2 percent slopes----- | 146 | * |
| 125 | Lag-Dollarhide-Rock outcrop complex, 5 to 60 percent slopes----- | 1,262 | 0.3 |
| 126 | Lag-Dranyon complex, 10 to 60 percent slopes----- | 2,335 | 0.5 |

See footnote at end of table.

Soil Survey of Bear Lake County Area, Idaho

Acreage and Proportionate Extent of the Soils--Continued

| Map symbol | Soil name | Acres | Percent |
|---------------|--|--------|---------|
| 127 | Lago silt loam, 0 to 1 percent slopes----- | 4,523 | 1.0 |
| 128 | Lago-Bear Lake complex, 0 to 1 percent slopes----- | 15,210 | 3.5 |
| 129 | Lago-Merkley complex, 0 to 2 percent slopes----- | 762 | 0.2 |
| 130 | Lanoak silt loam, 1 to 4 percent slopes----- | 521 | 0.1 |
| 131 | Lanoak silt loam, 4 to 8 percent slopes----- | 470 | 0.1 |
| 132 | Lanoak silt loam, 8 to 12 percent slopes----- | 370 | * |
| 133 | Lanoak silt loam, 12 to 20 percent slopes----- | 198 | * |
| 134 | Lanoak-Arbone complex, 12 to 25 percent slopes----- | 660 | 0.1 |
| 135 | Lanoak-Rexburg complex, 1 to 4 percent slopes----- | 533 | 0.1 |
| 136 | Leftfork-Cleavage complex, 5 to 40 percent slopes----- | 460 | 0.1 |
| 137 | Lilcan-Rock outcrop-Jacanyon complex, 2 to 50 percent slopes----- | 1,712 | 0.4 |
| 138 | Lilcan-Watkins Ridge, dry-Jacanyon complex, 8 to 50 percent slopes----- | 1,013 | 0.2 |
| 139 | Lonjon-Kucera-Sprollo complex, 10 to 25 percent slopes----- | 199 | * |
| 140 | Lonjon-Kucera, dry-Sprollo, dry complex, 5 to 25 percent slopes----- | 1,229 | 0.3 |
| 141 | Lonjon-Monida-Chokecherry complex, 5 to 50 percent slopes----- | 3,559 | 0.8 |
| 142 | Lonjon-Mumford-Rock outcrop complex, 25 to 50 percent slopes----- | 1,278 | 0.3 |
| 143 | Lonjon-Sheep Creek-Dipcreek complex, 10 to 50 percent slopes----- | 521 | 0.1 |
| 144 | Lonjon-Sprollo-Mumford complex, 30 to 60 percent slopes----- | 3,210 | 0.7 |
| 145 | Marshdale-Bloomcreek complex, 0 to 3 percent slopes----- | 749 | 0.2 |
| 146 | Merkley silt loam, 0 to 2 percent slopes----- | 3,676 | 0.8 |
| 147 | Millerditch-Cookcan complex, 0 to 2 percent slopes----- | 3,841 | 0.9 |
| 148 | Mumford very gravelly silt loam, 2 to 35 percent slopes----- | 971 | 0.2 |
| 149 | Mumford-Sprollo complex, 15 to 45 percent slopes----- | 382 | * |
| 150 | Mumford-Sprollo, dry complex, 15 to 50 percent slopes----- | 2,265 | 0.5 |
| 151 | Mumford-Sprollo, dry complex, 50 to 75 percent slopes----- | 1,437 | 0.3 |
| 152 | Nielsen-Dranburn-Hagenbarth complex, 5 to 40 percent slopes----- | 2,602 | 0.6 |
| 153 | North Beach extremely cobbly loamy coarse sand, 1 to 6 percent slopes--- | 176 | * |
| 154 | Nuffer-Blackotter complex, 0 to 2 percent slopes----- | 3,725 | 0.8 |
| 155 | Nythar-Sagollow complex, 0 to 5 percent slopes----- | 494 | 0.1 |
| 156 | Ovidcreek silt loam, 0 to 2 percent slopes----- | 1,390 | 0.3 |
| 157 | Parding-Firading-Hagenbarth complex, 5 to 40 percent slopes----- | 1,374 | 0.3 |
| 158 | Parding-Firading-Hagenbarth complex, dry, 5 to 25 percent slopes----- | 370 | * |
| 159 | Pegram silt loam, 1 to 4 percent slopes----- | 4,516 | 1.0 |
| 160 | Pinegap-Lonjon complex, 35 to 65 percent slopes----- | 4,163 | 0.9 |
| 161 | Pinehollow-Ant Flat-Sheep Creek complex, 2 to 35 percent slopes----- | 1,469 | 0.3 |
| 162 | Pits, gravel----- | 253 | * |
| 163 | Pontuge-Cokeville complex, 10 to 35 percent slopes----- | 6,539 | 1.5 |
| 164 | Preussrange-Halfcircle complex, 12 to 60 percent slopes----- | 2,201 | 0.5 |
| 165 | Prucree-Dipcreek complex, 4 to 20 percent slopes----- | 1,734 | 0.4 |
| 166 | Raynal silty clay loam, 0 to 2 percent slopes----- | 800 | 0.2 |
| 167 | Raynal-Lago complex, 0 to 2 percent slopes----- | 1,073 | 0.2 |
| 168 | Ream-Merkley complex, 0 to 2 percent slopes----- | 3,262 | 0.7 |
| 169 | Redpine-Draney-Brushtop complex, 8 to 40 percent slopes----- | 617 | 0.1 |
| 170 | Rexburg silt loam, 1 to 4 percent slopes----- | 1,017 | 0.2 |
| 171 | Rexburg-Iphil complex, 1 to 4 percent slopes----- | 1,581 | 0.4 |
| 172 | Rexburg-Iphil complex, 4 to 8 percent slopes----- | 2,580 | 0.6 |
| 173 | Rexburg-Kucera complex, 1 to 4 percent slopes----- | 746 | 0.2 |
| 174 | Rexburg-Kucera complex, 4 to 12 percent slopes----- | 854 | 0.2 |
| 175 | Rexburg-Kucera complex, 12 to 20 percent slopes----- | 370 | * |
| 176 | Rexburg-Ririe complex, 1 to 4 percent slopes----- | 1,163 | 0.3 |
| 177 | Rexburg-Ririe complex, 4 to 8 percent slopes----- | 2,004 | 0.5 |
| 178 | Rexburg-Ririe complex, 8 to 12 percent slopes----- | 872 | 0.2 |
| 179 | Rexburg-Watercanyon complex, 4 to 12 percent slopes----- | 420 | * |
| 180 | Rexburg-Wursten complex, 2 to 12 percent slopes----- | 156 | * |
| 181 | Richollow-Dranburn complex, 5 to 50 percent slopes----- | 1,918 | 0.4 |
| 182 | Richollow-Ledgehollow complex, 5 to 35 percent slopes----- | 186 | * |
| 183 | Ririe-Iphil complex, 1 to 4 percent slopes----- | 132 | * |
| 184 | Sadducee-Bearbeach complex, 0 to 2 percent slopes----- | 742 | 0.2 |
| 185 | Sheep Creek-Taylor-Dry Canyon complex, 5 to 60 percent slopes----- | 2,649 | 0.6 |
| 186 | Slights-Dranburn complex, 2 to 40 percent slopes----- | 1,186 | 0.3 |
| 187 | Springhollow-Arbone complex, 4 to 12 percent slopes----- | 1,101 | 0.2 |
| 188 | Springhollow-Arbone complex, dry, 4 to 12 percent slopes----- | 8,297 | 1.9 |
| 189 | Sprollo-Lonjon complex, 30 to 60 percent slopes----- | 1,104 | 0.3 |

See footnote at end of table.

Soil Survey of Bear Lake County Area, Idaho

Acreage and Proportionate Extent of the Soils--Continued

| Map symbol | Soil name | Acres | Percent |
|---------------|---|---------|---------|
| 190 | Sprollow, dry-Lonjon complex, 30 to 60 percent slopes----- | 13,457 | 3.1 |
| 191 | Sprollow-Lonjon-Mumford complex, 15 to 30 percent slopes----- | 1,356 | 0.3 |
| 192 | Sprollow, dry-Lonjon-Mumford complex, 15 to 30 percent slopes----- | 2,660 | 0.6 |
| 193 | Sprollow-Wursten-Lonjon complex, 5 to 25 percent slopes----- | 1,459 | 0.3 |
| 194 | Streek-Cleavage complex, 2 to 30 percent slopes----- | 547 | 0.1 |
| 195 | Streek, moist-Streek-Swanpeak complex, 2 to 15 percent slopes----- | 662 | 0.2 |
| 196 | Streek-Swanpeak complex, 2 to 20 percent slopes----- | 5,495 | 1.2 |
| 197 | Streek-Swanpeak-Sagollow complex, 2 to 15 percent slopes----- | 1,082 | 0.2 |
| 198 | Suryon loam, 4 to 12 percent slopes----- | 191 | * |
| 199 | Swan Flat-Dranburn complex, 10 to 50 percent slopes----- | 1,175 | 0.3 |
| 200 | Swanpeak cobbly loam, 4 to 12 percent slopes----- | 213 | * |
| 201 | Swanpeak-Ant Flat complex, 1 to 20 percent slopes----- | 1,388 | 0.3 |
| 202 | Swanpeak-Cloudless complex, 1 to 15 percent slopes----- | 2,172 | 0.5 |
| 203 | Swanpeak-Dutchcanyon complex, 20 to 35 percent slopes----- | 1,100 | 0.2 |
| 204 | Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes----- | 2,371 | 0.5 |
| 205 | Thatcher silt loam, 4 to 12 percent slopes----- | 1,348 | 0.3 |
| 206 | Thatcher silt loam, dry, 1 to 10 percent slopes----- | 1,129 | 0.3 |
| 207 | Thatcher-Church Springs complex, 5 to 30 percent slopes----- | 1,732 | 0.4 |
| 208 | Thatcher-Clegg complex, 4 to 25 percent slopes----- | 1,215 | 0.3 |
| 209 | Thatcher-Joes complex, 1 to 4 percent slopes----- | 758 | 0.2 |
| 210 | Thatcherflats silt loam, 0 to 2 percent slopes----- | 234 | * |
| 211 | Thomasfork silty clay loam, 0 to 2 percent slopes----- | 579 | 0.1 |
| 212 | Toponce-Bailcreek complex, 5 to 40 percent slopes----- | 590 | 0.1 |
| 213 | Tubbs Hollow-Dry Canyon complex, 5 to 35 percent slopes----- | 575 | 0.1 |
| 214 | Vicking silt loam, 1 to 4 percent slopes----- | 233 | * |
| 215 | Vicking silt loam, 4 to 12 percent slopes----- | 417 | * |
| 216 | Vicking silt loam, 12 to 20 percent slopes----- | 595 | 0.1 |
| 217 | Vicking silt loam, dry, 2 to 12 percent slopes----- | 1,515 | 0.3 |
| 218 | Vicking silt loam, dry, 12 to 20 percent slopes----- | 610 | 0.1 |
| 219 | Vicking-Cokeville complex, 15 to 35 percent slopes----- | 4,447 | 1.0 |
| 220 | Vipont-Dipcreek complex, 20 to 55 percent slopes----- | 1,558 | 0.4 |
| 221 | Vipont-Prucree complex, 15 to 30 percent slopes----- | 1,770 | 0.4 |
| 222 | Vipont-Suryon complex, 15 to 50 percent slopes----- | 923 | 0.2 |
| 223 | Warshod-Slan complex, 15 to 60 percent slopes----- | 5,369 | 1.2 |
| 224 | Warshod-Slan complex, dry, 10 to 35 percent slopes----- | 987 | 0.2 |
| 225 | Water----- | 41,143 | 9.3 |
| 226 | Water, miscellaneous----- | 105 | * |
| 227 | Watkins Ridge gravelly silt loam, dry, 4 to 12 percent slopes----- | 523 | 0.1 |
| 228 | Wursten silt loam, 1 to 4 percent slopes----- | 2,242 | 0.5 |
| 229 | Wursten silt loam, 4 to 12 percent slopes----- | 1,252 | 0.3 |
| 230 | Wursten silt loam, 12 to 20 percent slopes----- | 1,473 | 0.3 |
| 231 | Wursten silt loam, dry, 4 to 12 percent slopes----- | 449 | 0.1 |
| 232 | Wursten-Bearhollow complex, 10 to 35 percent slopes----- | 574 | 0.1 |
| 233 | Wursten-Rexburg complex, 4 to 12 percent slopes----- | 1,246 | 0.3 |
| 234 | Wursten-Rexburg complex, 12 to 25 percent slopes----- | 2,148 | 0.5 |
| 235 | Wursten-Rexburg complex, dry, 12 to 25 percent slopes----- | 230 | * |
| Total----- | | 440,844 | 100.0 |

* Less than 0.1 percent

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Very limited Slow water movement | 1.00 | Very limited Slow water movement | 1.00 |
| 2: Ant Flat----- | 80 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slow water movement Slope | 1.00 0.01 |
| 3: Ant Flat----- | 80 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slow water movement Too steep | 1.00 1.00 |
| 4: Arbone----- | 85 | Not limited | | Not limited | |
| 5: Arbone----- | 80 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 6: Arbone, dry----- | 80 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 7: Arbone----- | 60 | Not limited | | Not limited | |
| Wursten----- | 25 | Not limited | | Not limited | |
| 8: Arbone----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| Wursten----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 9: Arbone, dry----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| Wursten, dry----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 10: Bailcreek----- | 75 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Strongly contrasting textural stratification | 1.00 | Strongly contrasting textural stratification | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Too acid | 0.50 | Too acid | 0.99 |
| Dranburn----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| 11: Bailcreek----- | 55 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Strongly contrasting textural stratification | 1.00 | Strongly contrasting textural stratification | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slope | 0.63 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slope | 0.63 |
| Toponce----- | 40 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 |
| | | Too acid | 0.01 | Too acid | 0.03 |
| 12: Bancroft----- | 80 | Not limited | | Not limited | |
| 13: Bancroft----- | 80 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.01 | Slope | 0.01 |
| 14: Bancroft----- | 85 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| 15: Bear Lake----- | 55 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Leaching | 0.50 | Too acid | 0.99 |
| | | Slow water movement | 0.50 | Flooding | 0.40 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 15: Bear Lake, ponded----- | 25 | Very limited Ponding Depth to saturated zone Leaching Slow water movement | 1.00 1.00 0.50 0.50 | Very limited Ponding Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.40 0.37 |
| 16: Bear Lake----- | 40 | Very limited Depth to saturated zone Filtering capacity Leaching Slow water movement Too acid | 1.00 0.99 0.50 0.50 0.50 | Very limited Depth to saturated zone Filtering capacity Too acid Flooding Slow water movement | 1.00 0.99 0.99 0.40 0.37 |
| Chesbrook----- | 25 | Very limited Depth to saturated zone Filtering capacity Leaching Slow water movement Too acid | 1.00 0.99 0.50 0.50 0.50 | Very limited Depth to saturated zone Filtering capacity Too acid Flooding Slow water movement | 1.00 0.99 0.99 0.40 0.37 |
| La Roco----- | 15 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement | 0.99 0.86 0.50 | Somewhat limited Filtering capacity Depth to saturated zone Flooding Slow water movement | 0.99 0.86 0.40 0.37 |
| 17: Bear Lake----- | 50 | Very limited Depth to saturated zone Filtering capacity Leaching Slow water movement Too acid | 1.00 0.99 0.50 0.50 0.50 | Very limited Depth to saturated zone Filtering capacity Too acid Flooding Slow water movement | 1.00 0.99 0.99 0.40 0.37 |
| Lago----- | 35 | Very limited Depth to saturated zone Leaching Slow water movement | 1.00 0.50 0.50 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 0.40 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 18: Bearbou----- | 85 | Very limited Slow water movement Depth to saturated zone Leaching | 1.00 1.00 0.50 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 1.00 0.40 |
| 19: Bearhollow----- | 30 | Somewhat limited Slow water movement Sodium content Slope | 0.50 0.08 0.01 | Somewhat limited Slow water movement Sodium content Slope | 0.37 0.08 0.01 |
| Brifox----- | 25 | Very limited Slow water movement Runoff Slope | 1.00 0.40 0.01 | Very limited Slow water movement Slope | 1.00 0.01 |
| Iphil----- | 20 | Somewhat limited Sodium content Slope | 0.02 0.01 | Somewhat limited Sodium content Slope | 0.02 0.01 |
| 20: Bearhollow----- | 30 | Very limited Too steep Slow water movement Sodium content | 1.00 0.50 0.08 | Very limited Too steep Slow water movement Sodium content | 1.00 0.37 0.08 |
| Brifox----- | 25 | Very limited Slow water movement Too steep Runoff | 1.00 1.00 0.40 | Very limited Slow water movement Too steep | 1.00 1.00 |
| Iphil----- | 20 | Very limited Too steep Sodium content | 1.00 0.02 | Very limited Too steep Sodium content | 1.00 0.02 |
| 21: Benning----- | 90 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slow water movement | 0.37 |
| 22: Bern----- | 90 | Somewhat limited Sodium content Depth to saturated zone Slow water movement | 0.68 0.53 0.50 | Somewhat limited Sodium content Depth to saturated zone Slow water movement | 0.68 0.53 0.37 |
| 23: Bezzant----- | 75 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 |
| 24: Bezzant----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 24: Swanpeak----- | 45 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Cobble content | 0.08 | Cobble content | 0.08 |
| | | Droughty | 0.01 | Droughty | 0.01 |
| | | Slope | 0.01 | Slope | 0.01 |
| 25: Bischoff----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| Hagenbarth----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| 26: Bloomington----- | 80 | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | |
| | | Ponding | 1.00 | Ponding | 1.00 |
| | | Leaching | 0.50 | Slow water | 0.37 |
| | | Slow water | 0.50 | movement | |
| | | movement | | | |
| 27: Boundridge----- | 75 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Droughty | 1.00 |
| | | Depth to cemented | 1.00 | Depth to bedrock | 1.00 |
| | | pan | | Depth to cemented | 1.00 |
| | | Droughty | 1.00 | pan | |
| | | Runoff | 0.40 | Slope | 0.04 |
| | | Slope | 0.04 | | |
| Sweetcreek----- | 20 | Somewhat limited | | Somewhat limited | |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| | | Slope | 0.04 | Slope | 0.04 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| 28: Boyd hollow----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Droughty | 0.68 | Droughty | 0.68 |
| Slan----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.70 | Droughty | 0.70 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| | | Depth to bedrock | 0.29 | Depth to bedrock | 0.29 |
| Cokeville----- | 15 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 29: | | | | | |
| Brifox----- | 75 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Runoff | 0.40 | Slope | 0.01 |
| | | Slope | 0.01 | | |
| Lizdale----- | 20 | Very limited | | Very limited | |
| | | Filtering | 1.00 | Filtering | 1.00 |
| | | capacity | | capacity | |
| | | Droughty | 0.32 | Droughty | 0.32 |
| | | Slope | 0.01 | Slope | 0.01 |
| 30: | | | | | |
| Brifox----- | 45 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Runoff | 0.40 | Slope | 0.01 |
| | | Slope | 0.01 | | |
| Niter----- | 35 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Runoff | 0.40 | Slope | 0.01 |
| | | Slope | 0.01 | | |
| 31: | | | | | |
| Brifox----- | 45 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| Niter----- | 35 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| 32: | | | | | |
| Broadhead----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Slow water | 0.81 | Slow water | 0.67 |
| | | movement | | movement | |
| 33: | | | | | |
| Broadhead----- | 80 | Somewhat limited | | Somewhat limited | |
| | | Slow water | 0.81 | Slow water | 0.67 |
| | | movement | | movement | |
| | | Slope | 0.01 | Slope | 0.01 |
| 34: | | | | | |
| Broadhead----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.81 | Slow water | 0.67 |
| | | movement | | movement | |
| Hades----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 34: Swanpeak----- | 20 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Cobble content | 0.08 | Cobble content | 0.08 |
| | | Droughty | 0.01 | Droughty | 0.01 |
| 35: Buist----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.08 | Droughty | 0.08 |
| 36: Buist----- | 90 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.08 | Droughty | 0.08 |
| | | Slope | 0.01 | Slope | 0.01 |
| 37: Buist, dry----- | 90 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.08 | Droughty | 0.08 |
| | | Slope | 0.01 | Slope | 0.01 |
| 38: Buist----- | 90 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.08 | Droughty | 0.08 |
| 39: Buist----- | 65 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.08 | Droughty | 0.08 |
| Arbone----- | 30 | Not limited | | Not limited | |
| 40: Burchert----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Depth to bedrock | 0.46 |
| | | movement | | Slow water | 0.37 |
| | | Depth to bedrock | 0.46 | movement | |
| | | Droughty | 0.13 | Droughty | 0.13 |
| Whitetop----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | | |
| 41: Cedarhill----- | 90 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| 42: Cedarhill, dry----- | 80 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| 43: Cedarhill----- | 50 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Droughty | 0.06 | Droughty | 0.06 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 43: Bearhollow----- | 40 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Sodium content | 0.08 | Sodium content | 0.08 |
| 44: Cedarhill----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| Buist----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.08 | Droughty | 0.08 |
| 45: Cedarhill----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| Burchert----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Depth to bedrock | 0.46 |
| | | Depth to bedrock | 0.46 | Slow water movement | 0.37 |
| | | Droughty | 0.13 | Droughty | 0.13 |
| 46: Cedarhill----- | 60 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| Clegg----- | 40 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 47: Cedarhill----- | 45 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| Clegg----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Drage----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 48: Cedarhill, dry----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 48: Pinehollow, dry----- | 35 | Very limited | | Very limited | |
| | | Cobble content | 1.00 | Cobble content | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.89 | Depth to bedrock | 0.80 |
| | | movement | | Slow water | 0.78 |
| | | Depth to bedrock | 0.80 | movement | |
| | | Droughty | 0.71 | Droughty | 0.71 |
| 49: Cedarhill----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| Wursten----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| 50: Chesbrook----- | 65 | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Leaching | 0.50 | Too acid | 0.99 |
| | | Slow water | 0.50 | Flooding | 0.40 |
| | | movement | | Slow water | 0.37 |
| | | Too acid | 0.50 | movement | |
| Bear Lake----- | 20 | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Leaching | 0.50 | Too acid | 0.99 |
| | | Slow water | 0.50 | Flooding | 0.40 |
| | | movement | | Slow water | 0.37 |
| | | Too acid | 0.50 | movement | |
| 51: Chinhill----- | 80 | Not limited | | Not limited | |
| 52: Chokecherry----- | 65 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Low adsorption | 1.00 | Low adsorption | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | Large stones on | 0.32 |
| | | | | the surface | |
| Dranyon----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.43 | Slow water | 0.32 |
| | | movement | | movement | |
| | | Too acid | 0.02 | Too acid | 0.07 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 53: | | | | | |
| Chokecherry----- | 45 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | Large stones on the surface | 0.32 |
| Slights----- | 25 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| Sheep Creek----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.78 | Droughty | 0.78 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| 54: | | | | | |
| Chokecherry----- | 30 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | Large stones on the surface | 0.32 |
| Tubbs Hollow----- | 30 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.84 | Depth to bedrock | 0.84 |
| Sheep Creek, dry----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.78 | Droughty | 0.78 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| 55: | | | | | |
| Church Springs, dry----- | 55 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| Monida, dry----- | 35 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| 56: | | | | | |
| Cleavage----- | 70 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Runoff | 0.40 | | |
| Rock outcrop----- | 25 | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 57: Clegg----- | 90 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slow water movement | 0.37 |
| 58: Clegg----- | 90 | Somewhat limited Slope Slow water movement | 0.63 0.50 | Somewhat limited Slope Slow water movement | 0.63 0.37 |
| 59: Clegg----- | 50 | Somewhat limited Slope Slow water movement | 0.96 0.50 | Somewhat limited Slope Slow water movement | 0.96 0.37 |
| Grecan----- | 35 | Very limited Slow water movement Slope Too acid | 1.00 0.96 0.02 | Very limited Slow water movement Slope Too acid | 1.00 0.96 0.07 |
| 60: Cooley, dry----- | 40 | Very limited Too steep Droughty Cobble content | 1.00 0.87 0.02 | Very limited Too steep Droughty Cobble content | 1.00 0.87 0.02 |
| Beehunt, dry----- | 30 | Very limited Too steep Large stones on the surface Droughty Cobble content | 1.00 1.00 0.76 0.04 | Very limited Too steep Large stones on the surface Droughty Cobble content | 1.00 1.00 0.76 0.04 |
| 61: Crossley----- | 70 | Very limited Low adsorption Droughty Depth to bedrock Too steep Cobble content | 1.00 1.00 1.00 1.00 0.95 | Very limited Droughty Low adsorption Depth to bedrock Too steep Cobble content | 1.00 1.00 1.00 1.00 0.95 |
| Rock outcrop----- | 25 | Not rated | | Not rated | |
| 62: Crossley----- | 50 | Very limited Low adsorption Droughty Depth to bedrock Too steep Cobble content | 1.00 1.00 1.00 1.00 0.95 | Very limited Droughty Low adsorption Depth to bedrock Too steep Cobble content | 1.00 1.00 1.00 1.00 0.95 |
| Whitetop----- | 30 | Very limited Droughty Depth to bedrock Too steep Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Depth to bedrock Too steep | 1.00 1.00 1.00 |
| Rock outcrop----- | 10 | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 63: Cupine----- | 45 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.95 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 |
| Dunford----- | 25 | Very limited Too steep Large stones on the surface Depth to bedrock Slow water movement Droughty | 1.00 1.00 0.71 0.43 0.41 | Very limited Large stones on the surface Too steep Depth to bedrock Droughty Slow water movement | 1.00 1.00 0.71 0.41 0.32 |
| 64: Cupine, dry----- | 40 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 |
| Falula, dry----- | 30 | Very limited Cobble content Droughty Depth to bedrock Too steep Runoff | 1.00 1.00 1.00 1.00 0.40 | Very limited Droughty Cobble content Depth to bedrock Too steep | 1.00 1.00 1.00 1.00 |
| 65: Dennot, dry----- | 50 | Somewhat limited Slope Droughty | 0.37 0.06 | Somewhat limited Slope Droughty | 0.37 0.06 |
| Thatcher, dry----- | 40 | Somewhat limited Slow water movement Slope | 0.50 0.37 | Somewhat limited Slow water movement Slope | 0.37 0.37 |
| 66: Dingle----- | 80 | Very limited Depth to saturated zone Ponding Leaching Slow water movement | 1.00 1.00 0.50 0.50 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.37 |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Sodium content Ponding Leaching Slow water movement | 1.00 1.00 1.00 0.50 0.50 | Very limited Depth to saturated zone Sodium content Ponding Slow water movement | 1.00 1.00 1.00 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 68: | | | | | |
| Dipcreek----- | 35 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| Cutoff----- | 30 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.95 | Depth to bedrock | 0.95 |
| | | No filtering capacity limitation | 0.01 | No filtering capacity limitation | 0.01 |
| Sheep Creek----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.78 | Droughty | 0.78 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| 69: | | | | | |
| Dipcreek----- | 60 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| Rock outcrop----- | 40 | Not rated | | Not rated | |
| 70: | | | | | |
| Dirtyhead----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.99 | Droughty | 0.99 |
| | | Depth to bedrock | 0.29 | Depth to bedrock | 0.29 |
| | | Cobble content | 0.01 | Cobble content | 0.01 |
| Cedarhill----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| 71: | | | | | |
| Dirtyhead----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.99 | Droughty | 0.99 |
| | | Depth to bedrock | 0.29 | Depth to bedrock | 0.29 |
| | | Cobble content | 0.01 | Cobble content | 0.01 |
| Mumford----- | 30 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| Dranburn----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 72: Dollarhide----- | 90 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | Cobble content | 0.04 |
| | | Cobble content | 0.04 | | |
| 73: Dollarhide----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | Cobble content | 0.04 |
| | | Cobble content | 0.04 | | |
| Grunder----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Depth to bedrock | 0.80 | Too acid | 0.99 |
| | | Too acid | 0.50 | Depth to bedrock | 0.80 |
| | | Slow water | 0.43 | Slow water | 0.32 |
| | | movement | | movement | |
| 74: Drage----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| Causey----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| Lilcan----- | 25 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| 75: Dranburn----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Slow water | 0.50 | Too acid | 0.99 |
| | | movement | | Slow water | 0.37 |
| | | Too acid | 0.50 | movement | |
| Hoopgobel----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.65 | Depth to bedrock | 0.65 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| | | Droughty | 0.25 | Droughty | 0.25 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 75: Ledgehollow----- | 25 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 76: Dranburn----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| Pavohroo----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| 77: Dranburn----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| Pontuge----- | 30 | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Droughty | 0.01 | Droughty | 0.01 |
| 78: Dranburn----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| Poulridge----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Too acid | 0.50 | Too acid | 0.99 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Depth to bedrock | 0.03 | Depth to bedrock | 0.03 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 79: Dranyon----- | 75 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Too acid | 0.02 | Too acid | 0.07 |
| 80: Dry Canyon, dry----- | 85 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Too acid | 0.05 | Too acid | 0.21 |
| 81: Dry Canyon, dry----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Too acid | 0.05 | Too acid | 0.21 |
| Cutoff----- | 30 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.95 | Depth to bedrock | 0.95 |
| | | No filtering capacity limitation | 0.01 | No filtering capacity limitation | 0.01 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 84: Dutchcanyon----- | 45 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 |
| Frenchollow----- | 35 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Runoff | 0.40 | Slope | 0.16 |
| | | Slope | 0.16 | | |
| 85: Everyy----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Droughty | 0.12 | Droughty | 0.12 |
| Preuss----- | 25 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.97 | Depth to bedrock | 0.97 |
| | | Sodium content | 0.02 | Sodium content | 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 86: | | | | | |
| Every----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Droughty | 0.12 | Droughty | 0.12 |
| Preuss----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.97 | Depth to bedrock | 0.97 |
| | | Sodium content | 0.02 | Sodium content | 0.02 |
| 87: | | | | | |
| Fishaven----- | 70 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.96 | Slope | 0.96 |
| | | Droughty | 0.91 | Droughty | 0.91 |
| | | Depth to bedrock | 0.71 | Depth to bedrock | 0.71 |
| Dutchcanyon----- | 20 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.96 | Slope | 0.96 |
| 88: | | | | | |
| Frenchollow----- | 85 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Runoff | 0.40 | | |
| 89: | | | | | |
| Frenchollow----- | 85 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Slope | 0.63 | Slope | 0.63 |
| | | Runoff | 0.40 | | |
| 90: | | | | | |
| Fury----- | 90 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Filtering capacity | 0.99 | Flooding | 1.00 |
| | | Flooding | 0.60 | Filtering capacity | 0.99 |
| | | Leaching | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.32 |
| 91: | | | | | |
| Georgecanyon----- | 90 | Somewhat limited | | Somewhat limited | |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Droughty | 0.04 | Droughty | 0.04 |
| 92: | | | | | |
| Hades----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 93: | | | | | |
| Hades----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Slope | 0.01 | Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 94: | | | | | |
| Hades----- | 90 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 95: | | | | | |
| Hades----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Horrocks----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Droughty | 0.17 | Droughty | 0.17 |
| 96: | | | | | |
| Hagenbarth----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Clegg----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 97: | | | | | |
| Hagenbarth----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Dranburn----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| 98: | | | | | |
| Hagenbarth----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Horrocks----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Droughty | 0.17 | Droughty | 0.17 |
| 99: | | | | | |
| Hagenbarth----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 99: | | | | | |
| Zeebar----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Droughty | 0.03 | Droughty | 0.03 |
| Dranburn----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| 100: | | | | | |
| Hoopgobel----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.65 | Depth to bedrock | 0.65 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Droughty | 0.25 | Droughty | 0.25 |
| Cadero----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.84 | Depth to bedrock | 0.84 |
| | | Droughty | 0.73 | Droughty | 0.73 |
| 101: | | | | | |
| Hoopgobel----- | 65 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.65 | Depth to bedrock | 0.65 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| | | Droughty | 0.25 | Droughty | 0.25 |
| Slights----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| 102: | | | | | |
| Horrocks----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Droughty | 0.17 | Droughty | 0.17 |
| Cedarhill----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.06 | Droughty | 0.06 |
| 103: | | | | | |
| Horrocks----- | 60 | Somewhat limited | | Somewhat limited | |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Droughty | 0.17 | Droughty | 0.17 |
| | | Slope | 0.04 | Slope | 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 103: Cleavage----- | 25 | Very limited Droughty Depth to bedrock Slow water movement Runoff Slope | 1.00 1.00 0.50 0.40 0.04 | Very limited Droughty Depth to bedrock Slow water movement Slope | 1.00 1.00 0.37 0.04 |
| 104: Horrocks----- | 60 | Very limited Too steep Slow water movement Droughty | 1.00 0.43 0.17 | Very limited Too steep Slow water movement Droughty | 1.00 0.32 0.17 |
| Cleavage----- | 25 | Very limited Droughty Depth to bedrock Too steep Slow water movement Runoff | 1.00 1.00 1.00 0.50 0.40 | Very limited Droughty Depth to bedrock Too steep Slow water movement | 1.00 1.00 1.00 0.37 |
| 105: Hutchley----- | 30 | Very limited Droughty Depth to bedrock Too steep Cobble content Runoff | 1.00 1.00 1.00 0.59 0.40 | Very limited Droughty Depth to bedrock Too steep Cobble content Too acid | 1.00 1.00 1.00 0.59 0.07 |
| Cupine----- | 25 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 |
| Vitale----- | 20 | Very limited Too steep Droughty Slow water movement Depth to bedrock | 1.00 0.79 0.50 0.46 | Very limited Too steep Droughty Depth to bedrock Slow water movement | 1.00 0.79 0.46 0.37 |
| 106: Iphil----- | 80 | Somewhat limited Sodium content | 0.02 | Somewhat limited Sodium content | 0.02 |
| 107: Iphil----- | 80 | Somewhat limited Slope Sodium content | 0.04 0.02 | Somewhat limited Slope Sodium content | 0.04 0.02 |
| 108: Iphil----- | 80 | Somewhat limited Slope Sodium content | 0.96 0.02 | Somewhat limited Slope Sodium content | 0.96 0.02 |
| 109: Iphil----- | 30 | Very limited Too steep Sodium content | 1.00 0.02 | Very limited Too steep Sodium content | 1.00 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--------------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 109: Lanoak----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Watercanyon----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 110: Iphil----- | 50 | Somewhat limited Slope Sodium content | 0.37 0.02 | Somewhat limited Slope Sodium content | 0.37 0.02 |
| 111: Iphil, dry----- | 50 | Somewhat limited Sodium content Slope | 0.02 0.01 | Somewhat limited Sodium content Slope | 0.02 0.01 |
| Watercanyon, dry----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 112: Ireland----- | 45 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.90 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.90 |
| Falula----- | 35 | Very limited Too steep Cobble content Droughty Depth to bedrock Runoff | 1.00 1.00 1.00 1.00 0.40 | Very limited Droughty Cobble content Too steep Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Vicking----- | 15 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| 113: Jacanyon----- | 65 | Very limited Too steep Slow water movement Depth to bedrock Droughty | 1.00 0.41 0.10 0.03 | Very limited Too steep Slow water movement Depth to bedrock Droughty | 1.00 0.31 0.10 0.03 |
| Cleavage----- | 25 | Very limited Droughty Depth to bedrock Too steep Slow water movement Runoff | 1.00 1.00 1.00 0.50 0.40 | Very limited Droughty Depth to bedrock Too steep Slow water movement | 1.00 1.00 1.00 0.37 |
| 114: Jebo, dry----- | 40 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|------------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 114: Cokeville, dry----- | 30 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| Dennot, dry----- | 20 | Very limited Too steep Droughty | 1.00 0.06 | Very limited Too steep Droughty | 1.00 0.06 |
| 115: Jebo----- | 55 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 |
| Cupine----- | 25 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 |
| 116: Jebo, dry----- | 55 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 |
| Cupine, dry----- | 25 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.95 |
| 117: Jebo----- | 55 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.65 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 |
| Dipcreek----- | 35 | Very limited Droughty Depth to bedrock Too steep Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Depth to bedrock Too steep | 1.00 1.00 1.00 |
| 118: Jebo, dry----- | 55 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.65 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.65 |
| Dipcreek, dry----- | 35 | Very limited Droughty Depth to bedrock Too steep Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Depth to bedrock Too steep | 1.00 1.00 1.00 |
| 119: Joes----- | 75 | Not limited | | Not limited | |
| 120: Joes----- | 75 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 121: Kucera----- | 90 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 122: Kucera----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Chausse----- | 25 | Very limited Too steep Cobble content | 1.00 0.59 | Very limited Too steep Cobble content | 1.00 0.59 |
| Rexburg----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 123: La Roco----- | 85 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement | 0.99 0.86 0.50 | Somewhat limited Filtering capacity Depth to saturated zone Flooding Slow water movement | 0.99 0.86 0.40 0.37 |
| 124: La Roco, saline----- | 85 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement Salinity Sodium content | 0.99 0.86 0.50 0.35 0.08 | Somewhat limited Filtering capacity Depth to saturated zone Salinity Slow water movement Sodium content | 0.99 0.86 0.50 0.37 0.08 |
| 125: Lag----- | 40 | Very limited Too steep Filtering capacity Too acid Droughty | 1.00 0.99 0.50 0.40 | Very limited Too steep Filtering capacity Too acid Droughty | 1.00 0.99 0.99 0.40 |
| Dollarhide----- | 35 | Very limited Droughty Depth to bedrock Too steep Runoff Cobble content | 1.00 1.00 1.00 0.40 0.04 | Very limited Droughty Depth to bedrock Too steep Cobble content | 1.00 1.00 1.00 0.04 |
| Rock outcrop----- | 15 | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Too steep Filtering capacity Too acid Droughty | 1.00 0.99 0.50 0.40 | Very limited Too steep Filtering capacity Too acid Droughty | 1.00 0.99 0.99 0.40 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 126: Dranyon----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Too acid | 0.02 | Too acid | 0.07 |
| 127: Lago----- | 85 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching | 0.50 | Flooding | 0.40 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 128: Lago----- | 65 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching | 0.50 | Flooding | 0.40 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Bear Lake----- | 25 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Leaching | 0.50 | Too acid | 0.99 |
| | | Slow water movement | 0.50 | Flooding | 0.40 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| 129: Lago----- | 60 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching | 0.50 | Flooding | 0.40 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| Merkley----- | 30 | Somewhat limited | | Somewhat limited | |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| 130: Lanoak----- | 80 | Not limited | | Not limited | |
| 131: Lanoak----- | 85 | Not limited | | Not limited | |
| 132: Lanoak----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.16 | Slope | 0.16 |
| 133: Lanoak----- | 90 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| 134: Lanoak----- | 60 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--------------------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 134: Arbone----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 135: Lanoak----- | 55 | Not limited | | Not limited | |
| Rexburg----- | 35 | Not limited | | Not limited | |
| 136: Leftfork----- | 60 | Very limited Slow water movement Too steep Droughty Too acid | 1.00 1.00 0.23 0.02 | Very limited Slow water movement Too steep Droughty Too acid | 1.00 1.00 0.23 0.07 |
| Cleavage----- | 25 | Very limited Droughty Depth to bedrock Too steep Slow water movement Runoff | 1.00 1.00 1.00 0.50 0.40 | Very limited Droughty Depth to bedrock Too steep Slow water movement | 1.00 1.00 1.00 0.37 |
| 137: Lilcan----- | 60 | Very limited Droughty Depth to bedrock Too steep Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Depth to bedrock Too steep | 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited Too steep Slow water movement Depth to bedrock Droughty | 1.00 0.41 0.10 0.03 | Very limited Too steep Slow water movement Depth to bedrock Droughty | 1.00 0.31 0.10 0.03 |
| 138: Lilcan----- | 35 | Very limited Droughty Depth to bedrock Too steep Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Depth to bedrock Too steep | 1.00 1.00 1.00 |
| Watkins Ridge, dry----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Jacanyon----- | 20 | Very limited Too steep Slow water movement Depth to bedrock Droughty | 1.00 0.41 0.10 0.03 | Very limited Too steep Slow water movement Depth to bedrock Droughty | 1.00 0.31 0.10 0.03 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 139: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Kucera----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| Sprollo----- | 15 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| 140: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Kucera, dry----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| Sprollo, dry----- | 15 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| 141: | | | | | |
| Lonjon----- | 30 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Monida----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| Chokecherry----- | 20 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | Large stones on the surface | 0.32 |
| 142: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Mumford----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | | |
| Rock outcrop----- | 20 | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 143: | | | | | |
| Lonjon----- | 40 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Sheep Creek----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.78 | Droughty | 0.78 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| Dipcreek----- | 25 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| 144: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Sprollo----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| Mumford----- | 15 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | | |
| 145: | | | | | |
| Marshdale----- | 45 | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Flooding | 0.60 | Flooding | 1.00 |
| | | Leaching | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.32 |
| Bloomcreek----- | 30 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Leaching | 0.70 | Flooding | 0.40 |
| | | Too acid | 0.05 | Too acid | 0.21 |
| | | Strongly contrasting textural stratification | 0.01 | Strongly contrasting textural stratification | 0.01 |
| 146: | | | | | |
| Merkley----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 147: Millerditch----- | 60 | Somewhat limited Depth to saturated zone Slow water movement Sodium content | 0.89 0.50 0.50 | Somewhat limited Depth to saturated zone Sodium content Flooding Slow water movement | 0.89 0.50 0.40 0.37 |
| Cookcan----- | 25 | Very limited Depth to saturated zone Strongly contrasting textural stratification Slow water movement Leaching | 1.00 1.00 0.81 0.50 | Very limited Depth to saturated zone Strongly contrasting textural stratification Slow water movement Flooding | 1.00 1.00 0.67 0.40 |
| 148: Mumford----- | 90 | Very limited Droughty Depth to bedrock Runoff Slope | 1.00 1.00 0.40 0.16 | Very limited Droughty Depth to bedrock Slope | 1.00 1.00 0.16 |
| 149: Mumford----- | 60 | Very limited Too steep Droughty Depth to bedrock Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 1.00 |
| Spollow----- | 25 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.16 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.16 |
| 150: Mumford----- | 60 | Very limited Too steep Droughty Depth to bedrock Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 1.00 |
| Spollow, dry----- | 25 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.16 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.16 |
| 151: Mumford----- | 65 | Very limited Too steep Droughty Depth to bedrock Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 1.00 |
| Spollow, dry----- | 25 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.16 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 152: Nielsen----- | 45 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Runoff | 0.40 | | |
| Drarnburn----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| Hagenbarth----- | 15 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 153: North Beach----- | 100 | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Cobble content | 1.00 | Cobble content | 1.00 |
| | | Leaching | 0.90 | Droughty | 0.73 |
| | | Droughty | 0.73 | | |
| 154: Nuffer----- | 45 | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Depth to saturated zone | 0.99 | Depth to saturated zone | 0.99 |
| | | Droughty | 0.98 | Droughty | 0.98 |
| | | | | Flooding | 0.40 |
| Blackotter----- | 35 | Very limited | | Very limited | |
| | | Filtering capacity | 1.00 | Filtering capacity | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching | 0.70 | Flooding | 0.40 |
| | | Strongly contrasting textural stratification | 0.03 | Strongly contrasting textural stratification | 0.03 |
| 155: Nythar----- | 75 | Very limited | | Very limited | |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Leaching | 0.50 | Flooding | 0.40 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 155: Sagollow----- | 15 | Very limited Slow water movement Low adsorption Depth to saturated zone Too acid | 1.00 1.00 0.98 0.01 | Very limited Low adsorption Slow water movement Depth to saturated zone Too acid | 1.00 1.00 0.98 0.01 |
| 156: Ovidcreek----- | 75 | Very limited Slow water movement Sodium content Runoff Depth to saturated zone | 1.00 1.00 0.40 0.34 | Very limited Sodium content Slow water movement Depth to saturated zone | 1.00 1.00 0.34 |
| 157: Parding----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Firading----- | 30 | Very limited Too steep Droughty Depth to bedrock | 1.00 0.92 0.01 | Very limited Too steep Droughty Depth to bedrock | 1.00 0.92 0.01 |
| Hagenbarth----- | 15 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| 158: Parding, dry----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Firading, dry----- | 30 | Very limited Too steep Droughty Depth to bedrock | 1.00 0.92 0.01 | Very limited Too steep Droughty Depth to bedrock | 1.00 0.92 0.01 |
| Hagenbarth, dry----- | 15 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| 159: Pegram----- | 80 | Somewhat limited Slow water movement | 0.81 | Somewhat limited Slow water movement | 0.67 |
| 160: Pinegap----- | 50 | Very limited Too steep Droughty | 1.00 0.02 | Very limited Too steep Droughty | 1.00 0.02 |
| Lonjon----- | 35 | Very limited Too steep Droughty Depth to bedrock | 1.00 1.00 0.80 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 0.80 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 161: | | | | | |
| Pinehollow----- | 45 | Very limited | | Very limited | |
| | | Cobble content | 1.00 | Cobble content | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.89 | Depth to bedrock | 0.80 |
| | | movement | | Slow water | 0.78 |
| | | Depth to bedrock | 0.80 | movement | |
| | | Droughty | 0.71 | Droughty | 0.71 |
| Ant Flat----- | 25 | Very limited | | Very limited | |
| | | Slow water | 1.00 | Slow water | 1.00 |
| | | movement | | movement | |
| | | Slope | 0.16 | Slope | 0.16 |
| Sheep Creek----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.78 | Droughty | 0.78 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| 162: | | | | | |
| Pits, gravel----- | 100 | Not rated | | Not rated | |
| 163: | | | | | |
| Pontuge----- | 45 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Filtering | 1.00 |
| | | Filtering | 1.00 | capacity | |
| | | capacity | | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| | | Droughty | 0.01 | Droughty | 0.01 |
| Cokeville----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| 164: | | | | | |
| Preussrange----- | 50 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.99 | Droughty | 0.99 |
| | | Depth to bedrock | 0.84 | Depth to bedrock | 0.84 |
| | | Sodium content | 0.02 | Sodium content | 0.02 |
| Halfcircle----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Slow water | 0.50 | Too acid | 0.99 |
| | | movement | | Slow water | 0.37 |
| | | Too acid | 0.50 | movement | |
| | | Sodium content | 0.02 | Sodium content | 0.02 |
| 165: | | | | | |
| Prucree----- | 50 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.99 | Droughty | 0.99 |
| | | Depth to bedrock | 0.65 | Depth to bedrock | 0.65 |
| | | Slope | 0.63 | Slope | 0.63 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|--|----------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 165: Dipcreek----- | 30 | Very limited Droughty Depth to bedrock Slope Runoff | 1.00 1.00 0.63 0.40 | Very limited Droughty Depth to bedrock Slope | 1.00 1.00 0.63 |
| 166: Raynal----- | 90 | Somewhat limited Depth to saturated zone Slow water movement | 0.68 0.50 | Somewhat limited Depth to saturated zone Flooding Slow water movement | 0.68 0.40 0.37 |
| 167: Raynal----- | 60 | Somewhat limited Depth to saturated zone Slow water movement | 0.68 0.50 | Somewhat limited Depth to saturated zone Flooding Slow water movement | 0.68 0.40 0.37 |
| Lago----- | 30 | Very limited Depth to saturated zone Leaching Slow water movement | 1.00 0.50 0.50 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 0.40 0.37 |
| 168: Ream----- | 55 | Somewhat limited Filtering capacity Strongly contrasting textural stratification Salinity | 0.99 0.15 0.01 | Somewhat limited Filtering capacity Strongly contrasting textural stratification | 0.99 0.15 |
| Merkley----- | 30 | Somewhat limited Filtering capacity | 0.99 | Somewhat limited Filtering capacity | 0.99 |
| 169: Redpine----- | 45 | Very limited Too steep Depth to bedrock Droughty Slow water movement | 1.00 0.80 0.63 0.50 | Very limited Too steep Depth to bedrock Droughty Slow water movement | 1.00 0.80 0.63 0.37 |
| Draney----- | 25 | Very limited Depth to bedrock Droughty Too steep Runoff | 1.00 1.00 1.00 0.40 | Very limited Depth to bedrock Droughty Too steep | 1.00 1.00 1.00 |
| Brushtop----- | 15 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 170: Rexburg----- | 80 | Not limited | | Not limited | |
| 171: Rexburg----- | 55 | Not limited | | Not limited | |
| Iphil----- | 25 | Somewhat limited Sodium content | 0.02 | Somewhat limited Sodium content | 0.02 |
| 172: Rexburg----- | 50 | Not limited | | Not limited | |
| Iphil----- | 25 | Somewhat limited Sodium content | 0.02 | Somewhat limited Sodium content | 0.02 |
| 173: Rexburg----- | 65 | Not limited | | Not limited | |
| Kucera----- | 25 | Not limited | | Not limited | |
| 174: Rexburg----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| Kucera----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 175: Rexburg----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Kucera----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 176: Rexburg----- | 55 | Not limited | | Not limited | |
| Ririe----- | 35 | Not limited | | Not limited | |
| 177: Rexburg----- | 50 | Not limited | | Not limited | |
| Ririe----- | 25 | Not limited | | Not limited | |
| 178: Rexburg----- | 50 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 |
| Ririe----- | 30 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 |
| 179: Rexburg----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| Watercanyon----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 180: Rexburg----- | 50 | Not limited | | Not limited | |
| Wursten----- | 40 | Not limited | | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 181: Richollow----- | 70 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| Dranburn----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Slow water | 0.50 | Too acid | 0.99 |
| | | movement | | Slow water | 0.37 |
| | | Too acid | 0.50 | movement | |
| 182: Richollow----- | 55 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Runoff | 0.40 | | |
| Ledgehollow----- | 30 | Very limited | | Very limited | |
| | | Low adsorption | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Low adsorption | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| 183: Ririe----- | 40 | Not limited | | Not limited | |
| Iphil----- | 35 | Somewhat limited | | Somewhat limited | |
| | | Sodium content | 0.02 | Sodium content | 0.02 |
| 184: Sadducee----- | 55 | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | |
| | | Filtering | 0.99 | Filtering | 0.99 |
| | | capacity | | capacity | |
| | | Leaching | 0.70 | | |
| Bearbeach----- | 45 | Very limited | | Very limited | |
| | | Filtering | 1.00 | Filtering | 1.00 |
| | | capacity | | capacity | |
| | | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | |
| | | Strongly | 1.00 | Strongly | 1.00 |
| | | contrasting | | contrasting | |
| | | textural | | textural | |
| | | stratification | | stratification | |
| | | Droughty | 0.99 | Droughty | 0.99 |
| | | Leaching | 0.70 | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 185: | | | | | |
| Sheep Creek, dry----- | 40 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.78 | Droughty | 0.78 |
| | | Depth to bedrock | 0.01 | Depth to bedrock | 0.01 |
| Taylow, dry----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | Too acid | 0.21 |
| | | Too acid | 0.05 | | |
| Dry Canyon, dry----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Too acid | 0.05 | Too acid | 0.21 |
| 186: | | | | | |
| Slights----- | 65 | Very limited | | Very limited | |
| | | Slow water movement | 1.00 | Slow water movement | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| Dranburn----- | 20 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Slow water movement | 0.50 | Too acid | 0.99 |
| | | Too acid | 0.50 | Slow water movement | 0.37 |
| 187: | | | | | |
| Springhollow----- | 45 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.12 | Droughty | 0.12 |
| | | Depth to bedrock | 0.06 | Depth to bedrock | 0.06 |
| | | Depth to cemented pan | 0.06 | Depth to cemented pan | 0.06 |
| Arbone----- | 40 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.01 | Slope | 0.01 |
| 188: | | | | | |
| Springhollow, dry----- | 45 | Somewhat limited | | Somewhat limited | |
| | | Droughty | 0.12 | Droughty | 0.12 |
| | | Depth to bedrock | 0.06 | Depth to bedrock | 0.06 |
| | | Depth to cemented pan | 0.06 | Depth to cemented pan | 0.06 |
| | | Slope | 0.01 | Slope | 0.01 |
| Arbone, dry----- | 40 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.01 | Slope | 0.01 |
| 189: | | | | | |
| Sprollow----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 189: Lonjon----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| 190: Sprollow, dry----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| Lonjon----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| 191: Sprollow----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| Lonjon----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Mumford----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | | |
| 192: Sprollow, dry----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| Lonjon----- | 30 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.80 | Depth to bedrock | 0.80 |
| Mumford----- | 25 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Droughty | 1.00 |
| | | Droughty | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Runoff | 0.40 | | |
| 193: Sprollow----- | 40 | Very limited | | Very limited | |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Slope | 0.96 | Slope | 0.96 |
| | | Depth to bedrock | 0.16 | Depth to bedrock | 0.16 |
| Wursten----- | 25 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.96 | Slope | 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 193: Lonjon----- | 15 | Very limited Droughty Slope Depth to bedrock | 1.00 0.96 0.80 | Very limited Droughty Slope Depth to bedrock | 1.00 0.96 0.80 |
| 194: Streek----- | 50 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.02 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.07 |
| Cleavage----- | 35 | Very limited Too steep Droughty Depth to bedrock Slow water movement Runoff | 1.00 1.00 1.00 0.50 0.40 | Very limited Droughty Too steep Depth to bedrock Slow water movement | 1.00 1.00 1.00 0.37 |
| 195: Streek, moist----- | 40 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.02 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.07 |
| Streek----- | 25 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.02 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.07 |
| Swanpeak----- | 25 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.16 0.08 0.01 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.16 0.08 0.01 |
| 196: Streek----- | 45 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.02 | Very limited Slow water movement Slope Too acid | 1.00 0.16 0.07 |
| Swanpeak----- | 35 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.16 0.08 0.01 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.16 0.08 0.01 |
| 197: Streek----- | 35 | Very limited Slow water movement Too acid Slope | 1.00 0.02 0.01 | Very limited Slow water movement Too acid Slope | 1.00 0.07 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 197: Swanpeak----- | 35 | Very limited Slow water movement Cobble content Droughty Slope | 1.00 0.08 0.01 0.01 | Very limited Slow water movement Cobble content Droughty Slope | 1.00 0.08 0.01 0.01 |
| Sagollow----- | 25 | Very limited Slow water movement Low adsorption Depth to saturated zone Too acid | 1.00 1.00 0.98 0.01 | Very limited Low adsorption Slow water movement Depth to saturated zone Too acid | 1.00 1.00 0.98 0.01 |
| 198: Suryon----- | 90 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 |
| 199: Swan Flat----- | 65 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Dranburn----- | 20 | Very limited Too steep Filtering capacity Slow water movement Too acid | 1.00 0.99 0.50 0.50 | Very limited Too steep Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.37 |
| 200: Swanpeak----- | 85 | Very limited Slow water movement Cobble content Slope Droughty | 1.00 0.08 0.04 0.01 | Very limited Slow water movement Cobble content Slope Droughty | 1.00 0.08 0.04 0.01 |
| 201: Swanpeak----- | 60 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.37 0.08 0.01 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.37 0.08 0.01 |
| Ant Flat----- | 25 | Very limited Slow water movement Slope | 1.00 0.37 | Very limited Slow water movement Slope | 1.00 0.37 |
| 202: Swanpeak----- | 50 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.16 0.08 0.01 | Very limited Slow water movement Slope Cobble content Droughty | 1.00 0.16 0.08 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 202: Cloudless----- | 30 | Somewhat limited Slow water movement Slope | 0.50 0.16 | Somewhat limited Slow water movement Slope | 0.37 0.16 |
| 203: Swanpeak----- | 70 | Very limited Too steep Slow water movement Cobble content Droughty | 1.00 1.00 0.08 0.01 | Very limited Too steep Slow water movement Cobble content Droughty | 1.00 1.00 0.08 0.01 |
| Dutchcanyon----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 204: Swanpeak----- | 45 | Very limited Slow water movement Too steep Cobble content Droughty | 1.00 1.00 0.08 0.01 | Very limited Slow water movement Too steep Cobble content Droughty | 1.00 1.00 0.08 0.01 |
| Dutchcanyon----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Ant Flat----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slow water movement Too steep | 1.00 1.00 |
| 205: Thatcher----- | 85 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Somewhat limited Slow water movement Slope | 0.37 0.01 |
| 206: Thatcher, dry----- | 85 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slow water movement | 0.37 |
| 207: Thatcher----- | 50 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| Church Springs----- | 40 | Somewhat limited Slow water movement Slope | 0.43 0.16 | Somewhat limited Slow water movement Slope | 0.32 0.16 |
| 208: Thatcher----- | 80 | Somewhat limited Slope Slow water movement | 0.84 0.50 | Somewhat limited Slope Slow water movement | 0.84 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 208: Clegg----- | 20 | Somewhat limited Slope | 0.84 | Somewhat limited Slope | 0.84 |
| | | Slow water movement | 0.50 | Slow water movement | 0.37 |
| 209: Thatcher----- | 60 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slow water movement | 0.37 |
| Joes----- | 25 | Not limited | | Not limited | |
| 210: Thatcherflats----- | 75 | Very limited Slow water movement | 1.00 | Very limited Slow water movement | 1.00 |
| | | Sodium content | 1.00 | Sodium content | 1.00 |
| | | Runoff | 0.40 | | |
| | | Salinity | 0.06 | | |
| 211: Thomasfork----- | 95 | Very limited Slow water movement | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Depth to saturated zone | 1.00 | Slow water movement | 1.00 |
| | | Leaching | 0.50 | Flooding | 0.40 |
| 212: Toponce----- | 50 | Very limited Slow water movement | 1.00 | Very limited Slow water movement | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Too acid | 0.01 | Too acid | 0.03 |
| Bailcreek----- | 40 | Very limited Slow water movement | 1.00 | Very limited Slow water movement | 1.00 |
| | | Strongly contrasting textural stratification | 1.00 | Strongly contrasting textural stratification | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Filtering capacity | 0.99 | Filtering capacity | 0.99 |
| | | Too acid | 0.50 | Too acid | 0.99 |
| 213: Tubbs Hollow----- | 50 | Very limited Droughty | 1.00 | Very limited Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Depth to bedrock | 0.84 | Depth to bedrock | 0.84 |
| Dry Canyon, dry----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| | | Slow water movement | 0.43 | Slow water movement | 0.32 |
| | | Too acid | 0.05 | Too acid | 0.21 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 214: Vicking----- | 85 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slow water movement | 0.37 |
| 215: Vicking----- | 85 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Somewhat limited Slow water movement Slope | 0.37 0.01 |
| 216: Vicking----- | 85 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| 217: Vicking, dry----- | 85 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slow water movement | 0.37 |
| 218: Vicking, dry----- | 85 | Somewhat limited Slope Slow water movement | 0.96 0.50 | Somewhat limited Slope Slow water movement | 0.96 0.37 |
| 219: Vicking----- | 55 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| Cokeville----- | 35 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Too steep Slow water movement | 1.00 0.37 |
| 220: Vipont----- | 55 | Very limited Too steep Large stones on the surface Droughty Depth to bedrock Cobble content | 1.00 1.00 1.00 0.99 0.59 | Very limited Large stones on the surface Too steep Droughty Depth to bedrock Cobble content | 1.00 1.00 1.00 0.99 0.59 |
| Dipcreek----- | 30 | Very limited Too steep Droughty Depth to bedrock Runoff | 1.00 1.00 1.00 0.40 | Very limited Droughty Too steep Depth to bedrock | 1.00 1.00 1.00 |
| 221: Vipont----- | 50 | Very limited Too steep Large stones on the surface Droughty Depth to bedrock Cobble content | 1.00 1.00 1.00 0.99 0.59 | Very limited Large stones on the surface Too steep Droughty Depth to bedrock Cobble content | 1.00 1.00 1.00 0.99 0.59 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|-----------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 221: Prucree----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.99 | Droughty | 0.99 |
| | | Depth to bedrock | 0.65 | Depth to bedrock | 0.65 |
| 222: Vipont----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Large stones on | 1.00 |
| | | Large stones on | 1.00 | the surface | |
| | | the surface | | Too steep | 1.00 |
| | | Droughty | 1.00 | Droughty | 1.00 |
| | | Depth to bedrock | 0.99 | Depth to bedrock | 0.99 |
| | | Cobble content | 0.59 | Cobble content | 0.59 |
| Suryon----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| 223: Warshod----- | 45 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.71 | Droughty | 0.71 |
| Slan----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.70 | Droughty | 0.70 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| | | Depth to bedrock | 0.29 | Depth to bedrock | 0.29 |
| 224: Warshod, dry----- | 55 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.71 | Droughty | 0.71 |
| Slan, dry----- | 35 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |
| | | Droughty | 0.70 | Droughty | 0.70 |
| | | Slow water | 0.50 | Slow water | 0.37 |
| | | movement | | movement | |
| | | Depth to bedrock | 0.29 | Depth to bedrock | 0.29 |
| 225: Water----- | 100 | Not rated | | Not rated | |
| 226: Water, miscellaneous----- | 100 | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.01 | Slope | 0.01 |
| 228: Wursten----- | 75 | Not limited | | Not limited | |
| 229: Wursten----- | 80 | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.16 | Slope | 0.16 |
| 230: Wursten----- | 80 | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Manure, Food-Processing Waste, and Sewage Sludge--Continued

| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste | | Application of sewage sludge | |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 231: Wursten, dry----- | 85 | Not limited | | Not limited | |
| 232: Wursten----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Bearhollow----- | 30 | Very limited Too steep Slow water movement Sodium content | 1.00 0.50 0.08 | Very limited Too steep Slow water movement Sodium content | 1.00 0.37 0.08 |
| 233: Wursten----- | 55 | Somewhat limited Slope | 0.04 | Somewhat limited Slope | 0.04 |
| Rexburg----- | 30 | Somewhat limited Slope | 0.04 | Somewhat limited Slope | 0.04 |
| 234: Wursten----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Rexburg----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| 235: Wursten, dry----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |
| Rexburg, dry----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | | Disposal of wastewater by overland flow | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Very limited Slow water movement | 1.00 | Not limited | |
| 2: Ant Flat----- | 80 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | 1.00 1.00 0.10 | Somewhat limited Too steep for surface application | 0.22 |
| 3: Ant Flat----- | 80 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application | 1.00 1.00 1.00 | Very limited Too steep for surface application | 1.00 |
| 4: Arbone----- | 85 | Not limited | | Very limited Seepage | 1.00 |
| 5: Arbone----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application | 1.00 0.10 | Very limited Seepage Too steep for surface application | 1.00 0.22 |
| 6: Arbone, dry----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application | 1.00 1.00 | Very limited Seepage Too steep for surface application | 1.00 1.00 |
| 7: Arbone----- | 60 | Not limited | | Very limited Seepage | 1.00 |
| Wursten----- | 25 | Not limited | | Very limited Seepage | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 8: | | | |
| Arbone----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| Wursten----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| 9: | | | |
| Arbone, dry----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| Wursten, dry----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| 10: | | | |
| Bailcreek----- | 75 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid | Very limited Seepage Too steep for surface application Cobble content Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | |
| Dranburn----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | |
| | | 0.37 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 11: Bailcreek----- | 55 | Very limited Slow water movement Too steep for surface application Filtering capacity Too acid Too steep for sprinkler application | Very limited Seepage Cobble content Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | |
| | | 0.78 | |
| Toponce----- | 40 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.78 | |
| | | 0.03 | 0.03 |
| 12: Bancroft----- | 80 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 13: Bancroft----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| 14: Bancroft----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| 15: Bear Lake----- | 55 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 15: Bear Lake, ponded----- | 25 | Very limited Ponding Depth to saturated zone Slow water movement | Very limited Ponding Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| | | | 0.40 |
| 16: Bear Lake----- | 40 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |
| Chesbrook----- | 25 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |
| La Roco----- | 15 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement | Somewhat limited Depth to saturated zone Seepage Flooding |
| | | 0.99 | 0.86 |
| | | 0.86 | 0.62 |
| | | 0.37 | 0.40 |
| 17: Bear Lake----- | 50 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |
| Lago----- | 35 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| | | | 0.40 |
| 18: Bearbou----- | 85 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | | 0.40 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 19: | | | |
| Bearhollow----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Slow water movement | Too steep for surface application |
| | | Too steep for sprinkler application | Sodium content |
| | | Sodium content | |
| Brifox----- | 25 | Very limited | Somewhat limited |
| | | Slow water movement | Too steep for surface application |
| | | Too steep for surface application | |
| | | Too steep for sprinkler application | |
| | | | |
| Iphil----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Sodium content | Sodium content |
| | | | |
| 20: | | | |
| Bearhollow----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Slow water movement | Sodium content |
| | | Sodium content | |
| Brifox----- | 25 | Very limited | Very limited |
| | | Slow water movement | Too steep for surface application |
| | | Too steep for surface application | |
| | | Too steep for sprinkler application | |
| | | | |
| Iphil----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Sodium content | Sodium content |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 21: Benning----- | 90 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.37 | 1.00 |
| 22: Bern----- | 90 | Somewhat limited Sodium content Depth to saturated zone Slow water movement | Very limited Seepage Sodium content Depth to saturated zone |
| | | 0.68 0.53 0.37 | 1.00 0.68 0.53 |
| 23: Bezzant----- | 75 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 0.60 | 1.00 0.94 |
| 24: Bezzant----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 1.00 | 1.00 1.00 |
| Swanpeak----- | 45 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Cobble content Droughty | Very limited Seepage Cobble content Too steep for surface application |
| | | 1.00 1.00 0.10 0.08 0.01 | 1.00 0.37 0.22 |
| 25: Bischoff----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 1.00 0.37 | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 25: Hagenbarth----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |
| 26: Bloomington----- | 80 | Very limited Depth to saturated zone Ponding Slow water movement | Very limited Depth to saturated zone Seepage Ponding |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| 27: Boundridge----- | 75 | Very limited Droughty Depth to bedrock Depth to cemented pan Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Depth to cemented pan Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.50 |
| | | 0.22 | 0.11 |
| Sweetcreek----- | 20 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.50 |
| | | 0.22 | |
| | | 0.01 | |
| 28: Boyd hollow----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Droughty | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | |
| | | 0.68 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 28: Slan----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Slow water movement Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.70 | |
| | | 0.37 | |
| | | 0.29 | |
| Cokeville----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.05 |
| 29: Brifox----- | 75 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Somewhat limited Too steep for surface application |
| | | 1.00 | 0.22 |
| | | 1.00 | |
| | | 0.10 | |
| Lizdale----- | 20 | Very limited Filtering capacity Too steep for surface application Droughty Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.22 |
| | | 0.32 | |
| | | 0.10 | |
| 30: Brifox----- | 45 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Somewhat limited Too steep for surface application |
| | | 1.00 | 0.22 |
| | | 1.00 | |
| | | 0.10 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 30: Niter----- | 35 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Somewhat limited Seepage Too steep for surface application |
| | | 1.00 | 0.62 |
| | | 1.00 | 0.22 |
| | | 0.10 | |
| 31: Brifox----- | 45 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| Niter----- | 35 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.62 |
| | | 1.00 | |
| 32: Broadhead----- | 85 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.67 | 1.00 |
| 33: Broadhead----- | 80 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.67 | 0.22 |
| | | 0.10 | |
| 34: Broadhead----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.67 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 34: Hades----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| Swanpeak----- | 20 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application Cobble content Droughty | Very limited Seepage Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.37 |
| | | 1.00 | |
| | | 0.08 | |
| | | 0.01 | |
| 35: Buist----- | 85 | Somewhat limited Droughty | Very limited Seepage Cobble content |
| | | 0.08 | 1.00 |
| | | | 0.88 |
| 36: Buist----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Cobble content Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.88 |
| | | 0.10 | 0.22 |
| | | 0.08 | |
| 37: Buist, dry----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Cobble content Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.88 |
| | | 0.10 | 0.22 |
| | | 0.08 | |
| 38: Buist----- | 90 | Somewhat limited Droughty | Very limited Seepage Cobble content |
| | | 0.08 | 1.00 |
| | | | 0.86 |
| 39: Buist----- | 65 | Somewhat limited Droughty | Very limited Seepage Cobble content |
| | | 0.08 | 1.00 |
| | | | 0.88 |
| Arbone----- | 30 | Not limited | Very limited Seepage |
| | | | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map | Disposal of wastewater by irrigation | | Disposal of wastewater by overland flow | |
|--------------------------------|-------------------|--|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 40: Burchert----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Depth to bedrock Slow water movement Droughty | 1.00 1.00 0.46 0.37 0.13 | Very limited Seepage Depth to bedrock Too steep for surface application | 1.00 1.00 1.00 |
| Whitetop----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | 1.00 1.00 1.00 1.00 | Very limited Seepage Depth to bedrock Too steep for surface application | 1.00 1.00 1.00 |
| 41: Cedarhill----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | 1.00 0.90 0.06 | Very limited Seepage Stone content Too steep for surface application Cobble content | 1.00 1.00 1.00 0.08 |
| 42: Cedarhill, dry----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | 1.00 1.00 0.06 | Very limited Seepage Too steep for surface application Stone content Cobble content | 1.00 1.00 1.00 0.08 |
| 43: Cedarhill----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | 1.00 0.90 0.06 | Very limited Seepage Stone content Too steep for surface application Cobble content | 1.00 1.00 1.00 0.08 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 43: Bearhollow----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Sodium content | Very limited Seepage Too steep for surface application Sodium content |
| | | 1.00 | 1.00 |
| | | 0.90 | 0.08 |
| | | 0.37 | |
| | | 0.08 | |
| 44: Cedarhill----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Too steep for surface application Stone content Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.06 | 0.08 |
| Buist----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.88 |
| | | 0.08 | |
| 45: Cedarhill----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Stone content Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.06 | 0.08 |
| Burchert----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Depth to bedrock Slow water movement Droughty | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.46 | |
| | | 0.37 | |
| | | 0.13 | |
| 46: Cedarhill----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Stone content Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 0.90 | 1.00 |
| | | 0.06 | 0.08 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 46: Clegg----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.90 | |
| | | 0.37 | |
| 47: Cedarhill----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Stone content Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.06 | 0.08 |
| Clegg----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| Drage----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | 0.27 |
| 48: Cedarhill, dry----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Stone content Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.06 | 0.08 |
| Pinehollow, dry----- | 35 | Very limited Cobble content Too steep for surface application Too steep for sprinkler application Depth to bedrock Slow water movement | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | 0.09 |
| | | 0.80 | 0.03 |
| | | 0.78 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 49: Cedarhill----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Stone content Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.06 | 0.08 |
| Wursten----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| 50: Chesbrook----- | 65 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |
| Bear Lake----- | 20 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |
| 51: Chinhill----- | 80 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 52: Chokecherry----- | 65 | Very limited Droughty Low adsorption Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Low adsorption Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.14 |
| | | 1.00 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 52: Dranyon----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Too steep for surface application Seepage Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | |
| | | 0.07 | 0.07 |
| 53: Chokecherry----- | 45 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.14 |
| Slights----- | 25 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Sheep Creek----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.30 |
| | | 0.78 | |
| | | 0.01 | |
| 54: Chokecherry----- | 30 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.14 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|---------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 54: Tubbs Hollow----- | 30 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content Stone content |
| | | 1.00 1.00 1.00 1.00 0.84 | 1.00 1.00 1.00 0.45 0.01 |
| Sheep Creek, dry----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 1.00 1.00 0.78 0.01 | 1.00 1.00 1.00 0.30 |
| 55: Church Springs, dry----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 0.90 0.32 | 1.00 1.00 |
| Monida, dry----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 0.90 0.32 | 1.00 1.00 |
| 56: Cleavage----- | 70 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Depth to bedrock Seepage Too steep for surface application |
| | | 1.00 1.00 1.00 1.00 0.37 | 1.00 1.00 1.00 |
| Rock outcrop----- | 25 | Not rated | Not rated |
| 57: Clegg----- | 90 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.37 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 58: Clegg----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.78 | |
| | | 0.37 | |
| 59: Clegg----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.98 | |
| | | 0.37 | |
| Grecan----- | 35 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.98 | |
| | | 0.07 | |
| 60: Cooley, dry----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Cobble content | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.87 | |
| | | 0.02 | |
| Beehunt, dry----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Large stones on the surface Droughty Cobble content | Very limited Too steep for surface application Seepage Stone content Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| | | 1.00 | |
| | | 1.00 | |
| | | 0.76 | |
| | | 0.04 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 61: Crossley----- | 70 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application Stone content |
| Rock outcrop----- | 25 | Not rated | Not rated |
| 62: Crossley----- | 50 | Very limited Droughty Low adsorption Too steep for surface application Depth to bedrock Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application Stone content |
| Whitetop----- | 30 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application | Very limited Seepage Depth to bedrock Too steep for surface application |
| Rock outcrop----- | 10 | Not rated | Not rated |
| 63: Cupine----- | 45 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| Dunford----- | 25 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler application Depth to bedrock Droughty | Very limited Too steep for surface application Seepage Depth to bedrock |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 64: Cupine, dry----- | 40 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.95 | |
| Falula, dry----- | 30 | Very limited Droughty Cobble content Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Depth to bedrock Seepage Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | 0.40 |
| | | | |
| 65: Dennot, dry----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.60 | |
| | | 0.06 | |
| Thatcher, dry----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.60 | 0.94 |
| | | 0.37 | |
| 66: Dingle----- | 80 | Very limited Depth to saturated zone Ponding Slow water movement | Very limited Depth to saturated zone Seepage Ponding |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Sodium content Ponding Slow water movement | Very limited Depth to saturated zone Seepage Sodium content Ponding |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 68: | | | |
| Dipcreek----- | 35 | Very limited | Very limited |
| | | Droughty | Seepage |
| | | Too steep for | Depth to bedrock |
| | | surface | Too steep for |
| | | application | surface |
| | | Depth to bedrock | application |
| | | Too steep for | Cobble content |
| | | sprinkler | |
| | | application | |
| Cutoff----- | 30 | Very limited | Very limited |
| | | Droughty | Seepage |
| | | Too steep for | Depth to bedrock |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | |
| | | application | |
| | | Depth to bedrock | |
| | | No filtering | |
| | | capacity | |
| | | limitation | |
| Sheep Creek----- | 20 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Depth to bedrock |
| | | application | Too steep for |
| | | Too steep for | surface |
| | | sprinkler | application |
| | | application | Cobble content |
| | | Droughty | |
| | | Depth to bedrock | |
| 69: | | | |
| Dipcreek----- | 60 | Very limited | Very limited |
| | | Droughty | Seepage |
| | | Depth to bedrock | Depth to bedrock |
| | | Too steep for | Too steep for |
| | | surface | surface |
| | | application | application |
| | | Too steep for | Cobble content |
| | | sprinkler | |
| | | application | |
| Rock outcrop----- | 40 | Not rated | Not rated |
| 70: | | | |
| Dirtyhead----- | 50 | Very limited | Very limited |
| | | Too steep for | Too steep for |
| | | surface | surface |
| | | application | application |
| | | Too steep for | Seepage |
| | | sprinkler | Depth to bedrock |
| | | application | Cobble content |
| | | Droughty | |
| | | Depth to bedrock | |
| | | Cobble content | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 70: Cedarhill----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Too steep for surface application Seepage Stone content Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.06 | 0.08 |
| 71: Dirtyhead----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock Cobble content | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.01 |
| | | 0.29 | |
| | | 0.01 | |
| Mumford----- | 30 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application | Very limited Depth to bedrock Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Dranburn----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.37 | |
| 72: Dollarhide----- | 90 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application Cobble content | Very limited Depth to bedrock Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| | | 0.04 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 73: | | | |
| Dollarhide----- | 60 | Very limited | Very limited |
| | | Droughty | Depth to bedrock |
| | | Too steep for | Too steep for |
| | | surface | surface |
| | | application | application |
| | | Too steep for | Seepage |
| | | sprinkler | |
| | | application | |
| | | Depth to bedrock | |
| | | Cobble content | |
| | | | |
| Grunder----- | 20 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | Depth to bedrock |
| | | application | Too acid |
| | | Filtering | |
| | | capacity | |
| | | Too acid | |
| | | Depth to bedrock | |
| | | | |
| 74: | | | |
| Drage----- | 35 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | Cobble content |
| | | application | |
| | | Slow water | |
| | | movement | |
| | | | |
| Causey----- | 30 | Very limited | Very limited |
| | | Too steep for | Too steep for |
| | | surface | surface |
| | | application | application |
| | | Too steep for | Seepage |
| | | sprinkler | |
| | | application | |
| | | | |
| Lilcan----- | 25 | Very limited | Very limited |
| | | Droughty | Depth to bedrock |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Depth to bedrock | application |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 75: | | | |
| Dranburn----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Filtering capacity | Too acid |
| | | Too acid | |
| | | Slow water movement | |
| Hoopgobel----- | 25 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Depth to bedrock |
| | | Depth to bedrock | Too steep for surface application |
| | | Slow water movement | |
| | | Droughty | |
| Ledgehollow----- | 25 | Very limited | Very limited |
| | | Droughty | Depth to bedrock |
| | | Low adsorption | Low adsorption |
| | | Too steep for surface application | Seepage |
| | | Depth to bedrock | Too steep for surface application |
| | | Too steep for sprinkler application | |
| 76: | | | |
| Dranburn----- | 60 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Filtering capacity | Too acid |
| | | Too acid | |
| | | Slow water movement | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 76: Pavohroo----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.37 | |
| 77: Dranburn----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.37 | |
| Pontuge----- | 30 | Very limited Filtering capacity Too steep for surface application Too steep for sprinkler application Slow water movement Droughty | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| | | 0.37 | |
| | | 0.01 | |
| 78: Dranburn----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.37 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 78: Poulridge----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to bedrock Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | |
| | | 0.32 | |
| 79: Dranyon----- | 75 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.07 |
| | | 0.07 | |
| 80: Dry Canyon, dry----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Seepage Too steep for surface application Too acid Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.21 |
| | | 0.21 | 0.18 |
| 81: Dry Canyon, dry----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Too steep for surface application Seepage Too acid Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.21 |
| | | 0.21 | 0.18 |
| Cutoff----- | 30 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock No filtering capacity limitation | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.95 | |
| | | 0.01 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 82: Dumps, mine----- | 100 | Not rated | Not rated |
| 83: Dutchcanyon----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 84: Dutchcanyon----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| Frenchollow----- | 35 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Somewhat limited Too steep for surface application |
| 85: Every----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Droughty | Very limited Seepage Too steep for surface application Depth to bedrock |
| Preuss----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock Sodium content | Very limited Seepage Depth to bedrock Too steep for surface application Sodium content |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 86: | | | |
| Everry----- | 55 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Slow water movement | Depth to bedrock |
| | | Droughty | |
| | | | |
| Preuss----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Droughty | Depth to bedrock |
| | | Depth to bedrock | Sodium content |
| | | Sodium content | |
| | | | |
| 87: | | | |
| Fishaven----- | 70 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Depth to bedrock |
| | | Droughty | Too steep for surface application |
| | | Depth to bedrock | |
| | | | |
| Dutchcanyon----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | | |
| 88: | | | |
| Frenchollow----- | 85 | Very limited | Not limited |
| | | Slow water movement | |
| | | | |
| 89: | | | |
| Frenchollow----- | 85 | Very limited | Very limited |
| | | Slow water movement | Too steep for surface application |
| | | Too steep for surface application | |
| | | Too steep for sprinkler application | |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 90: Fury----- | 90 | Very limited Depth to saturated zone Filtering capacity Too acid Flooding Slow water movement | Very limited Flooding Seepage Depth to saturated zone Too acid |
| | | 1.00 | 1.00 |
| | | 0.99 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.60 | |
| | | 0.32 | |
| 91: Georgecanyon----- | 90 | Somewhat limited Slow water movement Droughty | Very limited Seepage Cobble content |
| | | 0.37 | 1.00 |
| | | 0.04 | 0.02 |
| 92: Hades----- | 85 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.37 | 1.00 |
| 93: Hades----- | 85 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.22 |
| | | 0.10 | |
| 94: Hades----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |
| 95: Hades----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 95: Horrocks----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Droughty | Very limited Seepage Too steep for surface application Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.94 |
| | | 0.32 | |
| | | 0.17 | |
| 96: Hagenbarth----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| Clegg----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |
| 97: Hagenbarth----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| Dranburn----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.37 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 98: | | | |
| Hagenbarth----- | 55 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Slow water movement | |
| | | | |
| Horrocks----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Slow water movement | Depth to bedrock |
| | | Droughty | |
| | | | |
| 99: | | | |
| Hagenbarth----- | 40 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Slow water movement | |
| | | | |
| Zeebar----- | 35 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Slow water movement | |
| | | Droughty | |
| | | | |
| Dranburn----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Filtering capacity | Too acid |
| | | Too acid | |
| | | Slow water movement | |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 100: Hoopgobel----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Depth to bedrock Slow water movement Droughty | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |
| | | 0.37 | |
| | | 0.25 | |
| Cadero----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Depth to bedrock Droughty | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.84 | |
| | | 0.73 | |
| 101: Hoopgobel----- | 65 | Very limited Too steep for surface application Too steep for sprinkler application Depth to bedrock Slow water movement Droughty | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |
| | | 0.37 | |
| | | 0.25 | |
| Slights----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| 102: Horrocks----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Droughty | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | |
| | | 0.17 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 102: Cedarhill----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Too steep for surface application Seepage Stone content Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.06 | 0.08 |
| 103: Horrocks----- | 60 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application Droughty | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.94 |
| | | 0.22 | 0.50 |
| | | 0.17 | |
| Cleavage----- | 25 | Very limited Droughty Depth to bedrock Too steep for surface application Slow water movement Too steep for sprinkler application | Very limited Depth to bedrock Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.50 |
| | | 0.37 | |
| | | 0.22 | |
| 104: Horrocks----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Droughty | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.94 |
| | | 0.17 | |
| Cleavage----- | 25 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application Slow water movement | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 105: Hutchley----- | 30 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application Cobble content | Very limited Seepage Depth to bedrock Too steep for surface application Too acid |
| | | 1.00 1.00 1.00 1.00 0.59 | 1.00 1.00 1.00 0.07 |
| Cupine----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 1.00 1.00 0.95 | 1.00 1.00 |
| Vitale----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock Slow water movement | Very limited Seepage Depth to bedrock Cobble content Too steep for surface application Stone content |
| | | 1.00 1.00 1.00 0.79 0.46 0.37 | 1.00 1.00 1.00 0.01 |
| 106: Iphil----- | 80 | Somewhat limited Sodium content | Very limited Seepage Sodium content |
| | | 0.02 | 1.00 0.02 |
| 107: Iphil----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application Sodium content | Very limited Seepage Too steep for surface application Sodium content |
| | | 1.00 0.22 0.02 | 1.00 0.50 0.02 |
| 108: Iphil----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application Sodium content | Very limited Too steep for surface application Seepage Sodium content |
| | | 1.00 0.98 0.02 | 1.00 1.00 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 109: | | | |
| Iphil----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Sodium content | Sodium content |
| | | 0.02 | 0.02 |
| Lanoak----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | | 1.00 |
| Watercanyon----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | | 1.00 |
| 110: | | | |
| Iphil----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Sodium content | Sodium content |
| | | 0.02 | 0.02 |
| Watercanyon----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | | 0.94 |
| 111: | | | |
| Iphil, dry----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Sodium content | Sodium content |
| | | 0.02 | 0.02 |
| Watercanyon, dry----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | | 0.22 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 112: Ireland----- | 45 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| Falula----- | 35 | Very limited Droughty Cobble content Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Depth to bedrock Too steep for surface application Seepage Cobble content |
| Vicking----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| 113: Jacanyon----- | 65 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock Droughty | Very limited Seepage Depth to bedrock Too steep for surface application |
| Cleavage----- | 25 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application Slow water movement | Very limited Depth to bedrock Seepage Too steep for surface application |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 114: Jebo, dry----- | 40 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |
| Cokeville, dry----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.05 |
| | | | |
| Dennot, dry----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.06 | |
| 115: Jebo----- | 55 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |
| Cupine----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.95 | |
| 116: Jebo, dry----- | 55 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 116: Cupine, dry----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.95 | |
| 117: Jebo----- | 55 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |
| Dipcreek----- | 35 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.45 |
| | | | |
| 118: Jebo, dry----- | 55 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.65 | |
| Dipcreek, dry----- | 35 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.45 |
| | | | |
| 119: Joes----- | 75 | Not limited | Very limited Seepage |
| | | | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 120: Joes----- | 75 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 121: Kucera----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 122: Kucera----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| Chausse----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Cobble content | Very limited Too steep for surface application Seepage Cobble content |
| Rexburg----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 123: La Roco----- | 85 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement | Somewhat limited Depth to saturated zone Seepage Flooding |
| 124: La Roco, saline----- | 85 | Somewhat limited Filtering capacity Depth to saturated zone Salinity Slow water movement Sodium content | Somewhat limited Depth to saturated zone Seepage Sodium content |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 125: Lag----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Droughty | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.40 | |
| Dollarhide----- | 35 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application Cobble content | Very limited Depth to bedrock Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| | | 0.04 | |
| Rock outcrop----- | 15 | Not rated | Not rated |
| 126: Lag----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Droughty | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.40 | |
| Dranyon----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.07 |
| | | 0.32 | |
| | | 0.07 | |
| 127: Lago----- | 85 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| | | | 0.40 |
| 128: Lago----- | 65 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| | | | 0.40 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 128: Bear Lake----- | 25 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | Very limited Seepage Depth to saturated zone Too acid Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | 0.40 |
| | | 0.37 | |
| 129: Lago----- | 60 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 0.37 | 1.00 |
| | | | 0.40 |
| Merkley----- | 30 | Somewhat limited Filtering capacity | Very limited Seepage |
| | | 0.99 | 1.00 |
| 130: Lanoak----- | 80 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 131: Lanoak----- | 85 | Somewhat limited Too steep for surface application | Very limited Seepage |
| | | 0.68 | 1.00 |
| 132: Lanoak----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.40 | 0.78 |
| 133: Lanoak----- | 90 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| 134: Lanoak----- | 60 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 134: Arbone----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| 135: Lanoak----- | 55 | Not limited | Very limited Seepage |
| Rexburg----- | 35 | Not limited | Very limited Seepage |
| 136: Leftfork----- | 60 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Droughty Too acid | Very limited Seepage Too steep for surface application Depth to bedrock Stone content Too acid |
| Cleavage----- | 25 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Depth to bedrock Seepage Too steep for surface application |
| 137: Lilcan----- | 60 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Depth to bedrock Seepage Too steep for surface application |
| Rock outcrop----- | 20 | Not rated | Not rated |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 137: Jacanyon----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock Droughty | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.31 | |
| | | 0.10 | |
| | | 0.03 | |
| 138: Lilcan----- | 35 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application | Very limited Depth to bedrock Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Watkins Ridge, dry----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| Jacanyon----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Depth to bedrock Droughty | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.31 | |
| | | 0.10 | |
| | | 0.03 | |
| 139: Lonjon----- | 45 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.80 | |
| Kucera----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 139: Sprollo----- | 15 | Very limited Too steep for surface application Droughty Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.16 | |
| 140: Lonjon----- | 45 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.80 | |
| Kucera, dry----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Sprollo, dry----- | 15 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.16 | |
| 141: Lonjon----- | 30 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.80 | |
| Monida----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.32 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 141: Chokecherry----- | 20 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application Cobble content |
| | | 1.00 1.00 1.00 1.00 1.00 0.14 | 1.00 1.00 1.00 1.00 1.00 0.14 |
| 142: Lonjon----- | 45 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 1.00 1.00 1.00 1.00 0.80 | 1.00 1.00 1.00 1.00 1.00 0.80 |
| Mumford----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | Not rated |
| 143: Lonjon----- | 40 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 1.00 1.00 1.00 1.00 0.80 | 1.00 1.00 1.00 1.00 1.00 0.80 |
| Sheep Creek----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 1.00 1.00 1.00 1.00 0.78 0.01 | 1.00 1.00 1.00 1.00 1.00 0.30 0.30 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 143: Dipcreek----- | 25 | Very limited Droughty Too steep for surface application Depth to bedrock Too steep for sprinkler application | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.45 |
| 144: Lonjon----- | 45 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.80 | |
| Sprollo----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Mumford----- | 15 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| 145: Marshdale----- | 45 | Very limited Filtering capacity Depth to saturated zone Too acid Flooding Slow water movement | Very limited Flooding Seepage Depth to saturated zone Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.60 | |
| | | 0.32 | |
| Bloomcreek----- | 30 | Very limited Depth to saturated zone Filtering capacity Too acid | Very limited Depth to saturated zone Seepage Flooding Too acid |
| | | 1.00 | 1.00 |
| | | 0.99 | 1.00 |
| | | | 0.40 |
| | | 0.21 | 0.21 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 146: Merkley----- | 85 | Somewhat limited Filtering capacity | Very limited Seepage |
| | | 0.99 | 1.00 |
| 147: Millerditch----- | 60 | Somewhat limited Depth to saturated zone | Somewhat limited Depth to saturated zone |
| | | 0.89 | 0.89 |
| | | Sodium content | Seepage |
| | | 0.50 | 0.62 |
| | | Slow water movement | Sodium content |
| | | 0.37 | 0.50 |
| | | | Flooding |
| | | | 0.40 |
| Cookcan----- | 25 | Very limited Depth to Slow water movement | Very limited Depth to Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 0.67 | 1.00 |
| | | | 0.40 |
| 148: Mumford----- | 90 | Very limited Droughty Depth to bedrock | Very limited Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | Seepage |
| | | 1.00 | 1.00 |
| | | Too steep for surface application | Too steep for surface application |
| | | 0.40 | 0.78 |
| | | Too steep for sprinkler application | |
| | | | |
| 149: Mumford----- | 60 | Very limited Droughty Too steep for surface application | Very limited Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | Too steep for |
| | | 1.00 | surface |
| | | 1.00 | application |
| | | 1.00 | Seepage |
| | | 1.00 | 1.00 |
| | | Depth to bedrock | |
| | | 1.00 | |
| Spollow----- | 25 | Very limited Too steep for surface application | Very limited Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | Seepage |
| | | 1.00 | Depth to bedrock |
| | | 1.00 | 1.00 |
| | | Droughty | |
| | | Depth to bedrock | |
| | | 0.16 | |
| 150: Mumford----- | 60 | Very limited Droughty Too steep for surface application | Very limited Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | Too steep for |
| | | 1.00 | surface |
| | | 1.00 | application |
| | | 1.00 | Seepage |
| | | 1.00 | 1.00 |
| | | Too steep for sprinkler application | |
| | | 1.00 | |
| | | Depth to bedrock | |
| | | 1.00 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 150: Sprollo, dry----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.16 | |
| 151: Mumford----- | 65 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| Sprollo, dry----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |
| | | 0.16 | |
| 152: Nielsen----- | 45 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Depth to bedrock Seepage Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.23 |
| | | | |
| | | 0.32 | |
| | | | |
| Dranburn----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.99 | |
| | | | |
| | | 0.99 | |
| | | 0.37 | |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 152: Hagenbarth----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| 153: North Beach----- | 100 | Very limited Filtering capacity Depth to saturated zone Cobble content Droughty Too steep for surface application | Very limited Seepage Depth to saturated zone Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.73 | |
| | | 0.08 | |
| 154: Nuffer----- | 45 | Very limited Filtering capacity Depth to saturated zone Droughty | Very limited Seepage Depth to saturated zone Flooding |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.98 | 0.40 |
| Blackotter----- | 35 | Very limited Filtering capacity Depth to saturated zone | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | | 0.40 |
| 155: Nythar----- | 75 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 0.32 | 1.00 |
| | | | 0.40 |
| Sagollow----- | 15 | Very limited Low adsorption Slow water movement Depth to saturated zone Too acid | Very limited Low adsorption Seepage Depth to saturated zone Cobble content Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.98 | 0.98 |
| | | 0.98 | 0.97 |
| | | 0.01 | 0.01 |
| 156: Ovidcreek----- | 75 | Very limited Sodium content Slow water movement Depth to saturated zone | Very limited Sodium content Seepage Depth to saturated zone |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.34 | 0.34 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 157: | | | |
| Parding----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Firading----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.92 | |
| | | 0.01 | |
| Hagenbarth----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| 158: | | | |
| Parding, dry----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| Firading, dry----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.92 | |
| | | 0.01 | |
| Hagenbarth, dry----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.37 | |
| 159: | | | |
| Pegram----- | 80 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.67 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 160: | | | |
| Pinegap----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Droughty | Depth to bedrock |
| | | | |
| Lonjon----- | 35 | Very limited | Very limited |
| | | Droughty | Too steep for surface application |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Depth to bedrock |
| | | Depth to bedrock | |
| | | | |
| 161: | | | |
| Pinehollow----- | 45 | Very limited | Very limited |
| | | Cobble content | Seepage |
| | | Too steep for surface application | Depth to bedrock |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Depth to bedrock | Cobble content |
| | | Slow water movement | Too acid |
| | | | |
| Ant Flat----- | 25 | Very limited | Somewhat limited |
| | | Slow water movement | Too steep for surface application |
| | | Too steep for surface application | |
| | | Too steep for sprinkler application | |
| | | | |
| Sheep Creek----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Depth to bedrock |
| | | Droughty | Too steep for surface application |
| | | Depth to bedrock | Cobble content |
| | | | |
| 162: | | | |
| Pits, gravel----- | 100 | Not rated | Not rated |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 163: | | | |
| Pontuge----- | 45 | Very limited | Very limited |
| | | Filtering capacity | Too steep for surface |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | |
| | | Slow water movement | |
| | | Droughty | |
| Cokeville----- | 40 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Slow water movement | Depth to bedrock |
| 164: | | | |
| Preussrange----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Droughty | Depth to bedrock |
| | | Depth to bedrock | Sodium content |
| | | Sodium content | Cobble content |
| Halfcircle----- | 35 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Filtering capacity | Too acid |
| | | Too acid | Depth to bedrock |
| | | Slow water movement | Sodium content |
| 165: | | | |
| Prucree----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Droughty | Depth to bedrock |
| | | Too steep for sprinkler application | Too steep for surface application |
| | | Depth to bedrock | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 165: Dipcreek----- | 30 | Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| 166: Raynal----- | 90 | Somewhat limited Depth to saturated zone Slow water movement | Somewhat limited Depth to saturated zone Seepage Flooding |
| 167: Raynal----- | 60 | Somewhat limited Depth to saturated zone Slow water movement | Somewhat limited Depth to saturated zone Seepage Flooding |
| Lago----- | 30 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| 168: Ream----- | 55 | Somewhat limited Filtering capacity | Very limited Seepage |
| Merkley----- | 30 | Somewhat limited Filtering capacity | Very limited Seepage |
| 169: Redpine----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application Depth to bedrock Droughty Slow water movement | Very limited Seepage Depth to bedrock Too steep for surface application |
| Draney----- | 25 | Very limited Too steep for surface application Depth to bedrock Droughty Too steep for sprinkler application | Very limited Depth to bedrock Seepage Too steep for surface application |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 169: Brushtop----- | 15 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.94 |
| 170: Rexburg----- | 80 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 171: Rexburg----- | 55 | Not limited | Very limited Seepage |
| | | | 1.00 |
| Iphil----- | 25 | Somewhat limited Sodium content | Very limited Seepage Sodium content |
| | | 0.02 | 1.00 |
| | | | 0.02 |
| 172: Rexburg----- | 50 | Somewhat limited Too steep for surface application | Very limited Seepage |
| | | 0.68 | 1.00 |
| Iphil----- | 25 | Somewhat limited Too steep for surface application Sodium content | Very limited Seepage Sodium content |
| | | 0.68 | 1.00 |
| | | 0.02 | 0.02 |
| 173: Rexburg----- | 65 | Not limited | Very limited Seepage |
| | | | 1.00 |
| Kucera----- | 25 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 174: Rexburg----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| Kucera----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 175: | | | |
| Rexburg----- | 60 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| Kucera----- | 35 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| 176: | | | |
| Rexburg----- | 55 | Not limited | Very limited Seepage |
| Ririe----- | 35 | Not limited | Very limited Seepage |
| 177: | | | |
| Rexburg----- | 50 | Somewhat limited | Very limited |
| | | Too steep for surface application | Seepage |
| Ririe----- | 25 | Somewhat limited | Very limited |
| | | Too steep for surface application | Seepage |
| 178: | | | |
| Rexburg----- | 50 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| Ririe----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |
| 179: | | | |
| Rexburg----- | 55 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Too steep for sprinkler application | Too steep for surface application |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 179: Watercanyon----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 180: Rexburg----- | 50 | Somewhat limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| Wursten----- | 40 | Somewhat limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 181: Richollow----- | 70 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application |
| Dranburn----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| 182: Richollow----- | 55 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Seepage Depth to bedrock Low adsorption Too steep for surface application |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|-------------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 182: Ledgehollow----- | 30 | Very limited Droughty Low adsorption Depth to bedrock Too steep for surface application Too steep for sprinkler application | Very limited Depth to bedrock Low adsorption Seepage Too steep for surface application |
| 183: Ririe----- | 40 | Not limited | Very limited Seepage |
| Iphil----- | 35 | Somewhat limited Sodium content | Very limited Seepage Sodium content |
| 184: Sadducee----- | 55 | Very limited Depth to saturated zone Filtering capacity | Very limited Seepage Depth to saturated zone |
| Bearbeach----- | 45 | Very limited Filtering capacity Depth to saturated zone Droughty | Very limited Depth to saturated zone Seepage |
| 185: Sheep Creek, dry----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| Taylow, dry----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock Too acid | Very limited Depth to bedrock Too steep for surface application Seepage Too acid |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 185: Dry Canyon, dry----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Seepage Too steep for surface application Too acid Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.21 |
| | | 0.21 | 0.18 |
| 186: Sights----- | 65 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | | |
| Dranburn----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid Slow water movement | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.99 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| | | 0.37 | |
| 187: Springhollow----- | 45 | Somewhat limited Too steep for surface application Droughty Depth to bedrock Depth to cemented pan Too steep for sprinkler application | Very limited Depth to cemented pan Seepage Depth to bedrock Too steep for surface application |
| | | 0.92 | 1.00 |
| | | 0.12 | 1.00 |
| | | 0.06 | 1.00 |
| | | 0.06 | 0.06 |
| | | 0.02 | |
| | | | |
| Arbone----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| | | | |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 188: Springhollow, dry----- | 45 | Very limited Too steep for surface application Droughty Too steep for sprinkler application Depth to bedrock Depth to cemented pan | Very limited Depth to cemented pan Seepage Depth to bedrock Too steep for surface application |
| Arbone, dry----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| 189: Sprollo----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| Lonjon----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| 190: Sprollo, dry----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| Lonjon----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 191: Sprollow----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.16 | |
| Lonjon----- | 30 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | 1.00 |
| | | 0.80 | |
| Mumford----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| 192: Sprollow, dry----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 0.16 | |
| Lonjon----- | 30 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | 1.00 |
| | | 0.80 | |
| Mumford----- | 25 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | |
| | | 1.00 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 193: | | | |
| Spollow----- | 40 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 1.00 0.98 0.16 | 1.00 1.00 1.00 |
| Wursten----- | 25 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 0.98 | 1.00 1.00 |
| Lonjon----- | 15 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 1.00 0.98 0.80 | 1.00 1.00 1.00 |
| 194: | | | |
| Streek----- | 50 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 1.00 0.40 0.07 | 1.00 0.78 0.07 |
| Cleavage----- | 35 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock Slow water movement | Very limited Depth to bedrock Too steep for surface application Seepage |
| | | 1.00 1.00 1.00 1.00 0.37 | 1.00 1.00 1.00 |
| 195: | | | |
| Streek, moist----- | 40 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 1.00 0.40 0.07 | 1.00 0.78 0.07 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 195: | | | |
| Streek----- | 25 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Too acid |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Too acid | |
| Swanpeak----- | 25 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Cobble content |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Cobble content | |
| | | Droughty | |
| 196: | | | |
| Streek----- | 45 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Too acid |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Too acid | |
| Swanpeak----- | 35 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Cobble content |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Cobble content | |
| | | Droughty | |
| 197: | | | |
| Streek----- | 35 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Too acid |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Too acid | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 197: | | | |
| Swanpeak----- | 35 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Cobble content |
| | | Too steep for | Too steep for |
| | | surface | surface |
| | | application | application |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Cobble content | |
| | | Droughty | |
| | | | |
| Sagollow----- | 25 | Very limited | Very limited |
| | | Low adsorption | Low adsorption |
| | | Slow water | Seepage |
| | | movement | Depth to |
| | | Depth to | saturated zone |
| | | saturated zone | Cobble content |
| | | Too steep for | Too acid |
| | | surface | |
| | | application | |
| | | Too acid | |
| | | | |
| 198: | | | |
| Suryon----- | 90 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | |
| | | application | |
| | | | |
| 199: | | | |
| Swan Flat----- | 65 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | Cobble content |
| | | application | |
| | | | |
| Dranburn----- | 20 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | Too acid |
| | | application | |
| | | Filtering | |
| | | capacity | |
| | | Too acid | |
| | | Slow water | |
| | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 200: | | | |
| Swanpeak----- | 85 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Cobble content |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Cobble content | |
| | | Droughty | |
| 201: | | | |
| Swanpeak----- | 60 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Cobble content |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Cobble content | |
| | | Droughty | |
| Ant Flat----- | 25 | Very limited | Somewhat limited |
| | | Slow water | Too steep for |
| | | movement | surface |
| | | Too steep for | application |
| | | surface | |
| | | application | |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| 202: | | | |
| Swanpeak----- | 50 | Very limited | Very limited |
| | | Slow water | Seepage |
| | | movement | Too steep for |
| | | Too steep for | surface |
| | | surface | application |
| | | application | Cobble content |
| | | Too steep for | |
| | | sprinkler | |
| | | application | |
| | | Cobble content | |
| | | Droughty | |
| Cloudless----- | 30 | Very limited | Very limited |
| | | Too steep for | Seepage |
| | | surface | Too steep for |
| | | application | surface |
| | | Too steep for | application |
| | | sprinkler | |
| | | application | |
| | | Slow water | |
| | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 203: | | | |
| Swanpeak----- | 70 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | Slow water movement | Cobble content |
| | | Cobble content | 0.37 |
| | | Droughty | |
| Dutchcanyon----- | 20 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | | |
| 204: | | | |
| Swanpeak----- | 45 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Slow water movement | Seepage |
| | | Too steep for sprinkler application | Cobble content |
| | | Cobble content | 0.37 |
| | | Droughty | |
| Dutchcanyon----- | 30 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Too steep for sprinkler application | Seepage |
| | | | |
| Ant Flat----- | 25 | Very limited | Very limited |
| | | Too steep for surface application | Too steep for surface application |
| | | Slow water movement | |
| | | Too steep for sprinkler application | |
| | | | |
| 205: | | | |
| Thatcher----- | 85 | Very limited | Very limited |
| | | Too steep for surface application | Seepage |
| | | Slow water movement | Too steep for surface application |
| | | Too steep for sprinkler application | |
| | | | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 206: Thatcher, dry----- | 85 | Somewhat limited Slow water movement Too steep for surface application | Very limited Seepage |
| | | 0.37 | 1.00 |
| | | 0.32 | |
| 207: Thatcher----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |
| Church Springs----- | 40 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.40 | 0.78 |
| | | 0.32 | |
| 208: Thatcher----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.90 | 1.00 |
| | | 0.37 | |
| Clegg----- | 20 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.90 | 1.00 |
| | | 0.37 | |
| 209: Thatcher----- | 60 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.37 | 1.00 |
| Joes----- | 25 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 210: Thatcherflats----- | 75 | Very limited Slow water movement Sodium content | Very limited Sodium content Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|---|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 211: Thomasfork----- | 95 | Very limited Depth to saturated zone Slow water movement | Very limited Depth to saturated zone Seepage Flooding |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.62 |
| | | | 0.40 |
| 212: Toponce----- | 50 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Too acid | Very limited Seepage Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.03 |
| | | 1.00 | |
| | | 0.03 | |
| Bailcreek----- | 40 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid | Very limited Seepage Cobble content Too steep for surface application Too acid |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.99 |
| | | 0.99 | |
| | | 0.99 | |
| 213: Tubbs Hollow----- | 50 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content Stone content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 1.00 | 0.45 |
| | | 0.84 | 0.01 |
| Dry Canyon, dry----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Too acid | Very limited Seepage Too steep for surface application Too acid Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.32 | 0.21 |
| | | 0.21 | 0.18 |
| 214: Vicking----- | 85 | Somewhat limited Slow water movement | Very limited Seepage |
| | | 0.37 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 215: Vicking----- | 85 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.22 |
| | | 0.10 | |
| 216: Vicking----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |
| 217: Vicking, dry----- | 85 | Somewhat limited Too steep for surface application Slow water movement | Very limited Seepage |
| | | 0.68 | 1.00 |
| | | 0.37 | |
| 218: Vicking, dry----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 0.98 | 1.00 |
| | | 0.37 | |
| 219: Vicking----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | |
| Cokeville----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.05 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 220: Vipont----- | 55 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock Cobble content Stone content |
| | | 1.00 1.00 1.00 1.00 1.00 0.99 | 1.00 1.00 1.00 0.36 0.12 |
| Dipcreek----- | 30 | Very limited Droughty Too steep for surface application Too steep for sprinkler application Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application Cobble content |
| | | 1.00 1.00 1.00 1.00 1.00 | 1.00 1.00 1.00 0.45 |
| 221: Vipont----- | 50 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock Cobble content Stone content |
| | | 1.00 1.00 1.00 1.00 1.00 0.99 | 1.00 1.00 1.00 0.36 0.12 |
| Prucree----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 1.00 1.00 0.99 0.65 | 1.00 1.00 |
| 222: Vipont----- | 55 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler application Droughty Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock Cobble content Stone content |
| | | 1.00 1.00 1.00 1.00 1.00 0.99 | 1.00 1.00 1.00 0.36 0.12 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|-----------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 222: Suryon----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| 223: Warshod----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.71 | 0.77 |
| Slan----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Slow water movement Depth to bedrock | Very limited Too steep for surface application Seepage Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.70 | |
| | | 0.37 | |
| | | 0.29 | |
| 224: Warshod, dry----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application Droughty | Very limited Seepage Too steep for surface application Depth to bedrock |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.71 | 0.77 |
| Slan, dry----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application Droughty Slow water movement Depth to bedrock | Very limited Seepage Depth to bedrock Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.70 | |
| | | 0.37 | |
| | | 0.29 | |
| 225: Water----- | 100 | Not rated | Not rated |
| 226: Water, miscellaneous----- | 100 | Not rated | Not rated |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|---------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 227: Watkins Ridge, dry----- | 85 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.10 | 0.22 |
| 228: Wursten----- | 75 | Not limited | Very limited Seepage |
| | | | 1.00 |
| 229: Wursten----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.40 | 0.78 |
| 230: Wursten----- | 80 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| 231: Wursten, dry----- | 85 | Somewhat limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 0.92 | 1.00 |
| | | 0.02 | 0.06 |
| 232: Wursten----- | 50 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| Bearhollow----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application Slow water movement Sodium content | Very limited Seepage Too steep for surface application Sodium content |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| | | 0.37 | 0.08 |
| | | 0.08 | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Irrigation and Overland Flow--Continued

| Map symbol and soil name | Pct. of map unit | Disposal of wastewater by irrigation | Disposal of wastewater by overland flow |
|--------------------------------|---------------------------|--|--|
| | | Rating class and limiting features | Rating class and limiting features |
| 233: | | | |
| Wursten----- | 55 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.22 | 0.50 |
| Rexburg----- | 30 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Seepage Too steep for surface application |
| | | 1.00 | 1.00 |
| | | 0.22 | 0.50 |
| 234: | | | |
| Wursten----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| Rexburg----- | 35 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| 235: | | | |
| Wursten, dry----- | 45 | Very limited Too steep for surface application Too steep for sprinkler application | Very limited Too steep for surface application Seepage |
| | | 1.00 | 1.00 |
| | | 1.00 | 1.00 |
| Rexburg, dry----- | 35 | Very limited Too steep for surface application | Very limited Too steep for surface application |
| | | 1.00 | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.96 |
| 2: Ant Flat----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation | 1.00 0.96 0.22 |
| 3: Ant Flat----- | 80 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.96 |
| 4: Arbone----- | 85 | Very limited Slow water movement | 1.00 | Not limited | |
| 5: Arbone----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 6: Arbone, dry----- | 80 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 7: Arbone----- | 60 | Very limited Slow water movement | 1.00 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 7: Wursten----- | 25 | Very limited Slow water movement | 1.00 | Not limited | |
| 8: Arbone----- | 55 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| Wursten----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 9: Arbone, dry----- | 55 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| Wursten, dry----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 10: Bailcreek----- | 75 | Very limited Slope Slow water movement Cobble content | 1.00 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Filtering capacity Too acid | 1.00 1.00 1.00 1.00 0.99 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 10: Dranburn----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| 11: Bailcreek----- | 55 | Very limited Slow water movement Cobble content Slope | 1.00 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid | 1.00 1.00 1.00 0.99 0.99 |
| Toponce----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid | 1.00 1.00 0.96 0.03 |
| 12: Bancroft----- | 80 | Very limited Slow water movement | 1.00 | Not limited | |
| 13: Bancroft----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 14: Bancroft----- | 85 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 15: Bear Lake----- | 55 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| Bear Lake, ponded----- | 25 | Very limited Ponding Slow water movement Depth to saturated zone | 1.00 1.00 1.00 | Very limited Ponding Depth to saturated zone Slow water movement | 1.00 1.00 0.26 |
| 16: Bear Lake----- | 40 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| Chesbrook----- | 25 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| La Roco----- | 15 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement | 0.99 0.86 0.26 |
| 17: Bear Lake----- | 50 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| Lago----- | 35 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 18: Bearbou----- | 85 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.96 |
| 19: Bearhollow----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Sodium content | 1.00 0.26 0.22 0.08 |
| Brifox----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.22 |
| Iphil----- | 20 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 0.22 0.02 |
| 20: Bearhollow----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Sodium content | 1.00 1.00 0.26 0.08 |
| Brifox----- | 25 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 20: Iphil----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 1.00 0.02 |
| 21: Benning----- | 90 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.26 |
| 22: Bern----- | 90 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Sodium content Depth to saturated zone Slow water movement | 0.68 0.53 0.26 |
| 23: Bezzant----- | 75 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.94 |
| 24: Bezzant----- | 45 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Swanpeak----- | 45 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.22 0.08 |
| 25: Bischoff----- | 55 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 25: Hagenbarth----- | 40 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 26: Bloomington----- | 80 | Very limited Slow water movement Depth to saturated zone Ponding | 1.00 1.00 1.00 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.26 |
| 27: Boundridge----- | 75 | Very limited Depth to bedrock Depth to cemented pan Slow water movement Slope Cobble content | 1.00 1.00 1.00 1.00 0.46 | Very limited Depth to bedrock Depth to cemented pan Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 0.50 |
| Sweetcreek----- | 20 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.50 0.26 |
| Boyd hollow----- | 35 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity | 1.00 1.00 0.99 |
| 28: Slan----- | 30 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 28: Cokeville----- | 15 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Depth to bedrock | 1.00 1.00 0.26 0.05 |
| 29: Brifox----- | 75 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.22 |
| Lizdale----- | 20 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Filtering capacity Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.22 |
| 30: Brifox----- | 45 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.22 |
| Niter----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.22 |
| 31: Brifox----- | 45 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 31: Niter----- | 35 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 |
| 32: Broadhead----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.49 |
| 33: Broadhead----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation | 1.00 0.49 0.22 |
| 34: Broadhead----- | 40 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.49 |
| Hades----- | 40 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Swanpeak----- | 20 | Very limited Slope Slow water movement Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Cobble content | 1.00 1.00 0.96 0.08 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 35: Buist----- | 85 | Very limited Slow water movement Cobble content | 1.00 0.99 | Not limited | |
| 36: Buist----- | 90 | Very limited Slow water movement Slope Cobble content | 1.00 1.00 0.99 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 37: Buist, dry----- | 90 | Very limited Slow water movement Slope Cobble content | 1.00 1.00 0.99 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 38: Buist----- | 90 | Very limited Slow water movement Cobble content | 1.00 0.99 | Not limited | |
| 39: Buist----- | 65 | Very limited Slow water movement Cobble content | 1.00 0.99 | Not limited | |
| Arbone----- | 30 | Very limited Slow water movement | 1.00 | Not limited | |
| 40: Burchert----- | 60 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| Whitetop----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 41: Cedarhill----- | 90 | Very limited Slow water movement Slope Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 42: Cedarhill, dry----- | 80 | Very limited Slope Slow water movement Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 43: Cedarhill----- | 50 | Very limited Slow water movement Slope Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Bearhollow----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Sodium content | 1.00 1.00 0.26 0.08 |
| 44: Cedarhill----- | 50 | Very limited Slope Slow water movement Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Buist----- | 35 | Very limited Slope Slow water movement Cobble content | 1.00 1.00 0.99 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 45: Cedarhill----- | 60 | Very limited Slow water movement Slope Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 45: Burchert----- | 35 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 46: Cedarhill----- | 60 | Very limited Slow water movement Stone content Slope Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Clegg----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 47: Cedarhill----- | 45 | Very limited Slow water movement Slope Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Clegg----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Drage----- | 20 | Very limited Slow water movement Slope Cobble content | 1.00 1.00 0.97 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 48: Cedarhill, dry----- | 50 | Very limited Slow water movement Slope Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Pinehollow, dry----- | 35 | Very limited Slow water movement Depth to bedrock Slope Cobble content | 1.00 1.00 1.00 0.82 | Very limited Depth to bedrock Cobble content Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 1.00 0.60 |
| 49: Cedarhill----- | 50 | Very limited Slow water movement Slope Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Wursten----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 50: Chesbrook----- | 65 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| Bear Lake----- | 20 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| 51: Chinhill----- | 80 | Very limited Slow water movement | 1.00 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 52: Chokecherry----- | 65 | Very limited Slope Depth to bedrock Cobble content Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation Large stones on the surface | 1.00 1.00 1.00 1.00 0.32 |
| Dranyon----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid | 1.00 1.00 0.22 0.07 |
| 53: Chokecherry----- | 45 | Very limited Depth to bedrock Cobble content Slope Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation Large stones on the surface | 1.00 1.00 1.00 1.00 0.32 |
| Slights----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.98 |
| Sheep Creek----- | 20 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.35 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|---------------------------------|---------------------------|--|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 54: Chokecherry----- | 30 | Very limited Depth to bedrock Cobble content Slope Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation Large stones on the surface | 1.00 1.00 1.00 1.00 1.00 0.32 |
| Tubbs Hollow----- | 30 | Very limited Depth to bedrock Cobble content Slope Slow water movement Stone content | 1.00 1.00 1.00 0.32 0.24 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Sheep Creek, dry----- | 25 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.35 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 55: Church Springs, dry----- | 55 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.22 |
| Monida, dry----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.22 |
| 56: Cleavage----- | 70 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 56: Rock outcrop----- | 25 | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.26 |
| 58: Clegg----- | 90 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 59: Clegg----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Grecan----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid | 1.00 1.00 0.96 0.07 |
| 60: Cooley, dry----- | 40 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Cobble content | 1.00 1.00 0.02 |
| Beehunt, dry----- | 30 | Very limited Slope Slow water movement Stone content Cobble content | 1.00 1.00 1.00 0.94 | Very limited Too steep for surface application Too steep for sprinkler irrigation Large stones on the surface Cobble content | 1.00 1.00 1.00 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 61: Crossley----- | 70 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Stone content | 1.00 | Low adsorption | 1.00 |
| | | Slope | 1.00 | Too steep for | 1.00 |
| | | Cobble content | 0.78 | surface | |
| | | Slow water | 0.32 | application | |
| | | movement | | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Cobble content | 0.95 |
| Rock outcrop----- | 25 | Not rated | | Not rated | |
| 62: Crossley----- | 50 | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to bedrock | 1.00 | Low adsorption | 1.00 |
| | | Stone content | 1.00 | Too steep for | 1.00 |
| | | Cobble content | 0.78 | surface | |
| | | Slow water | 0.32 | application | |
| | | movement | | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Cobble content | 0.95 |
| Whitetop----- | 30 | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to bedrock | 1.00 | Too steep for | 1.00 |
| | | Slow water | 0.32 | surface | |
| | | movement | | application | |
| | | | | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| Rock outcrop----- | 10 | Not rated | | Not rated | |
| 63: Cupine----- | 45 | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to bedrock | 1.00 | Too steep for | 1.00 |
| | | Slow water | 1.00 | surface | |
| | | movement | | application | |
| | | Cobble content | 0.08 | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| Dunford----- | 25 | Very limited | | Very limited | |
| | | Slope | 1.00 | Large stones on | 1.00 |
| | | Slow water | 1.00 | the surface | |
| | | movement | | Too steep for | 1.00 |
| | | Depth to bedrock | 1.00 | surface | |
| | | | | application | |
| | | | | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Depth to bedrock | 1.00 |
| | | | | Slow water | 0.22 |
| | | | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 64: Cupine, dry----- | 40 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.08 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Falula, dry----- | 30 | Very limited Depth to bedrock Slow water movement Cobble content Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Cobble content Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| 65: Dennot, dry----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.94 |
| Thatcher, dry----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 0.94 0.26 |
| 66: Dingle----- | 80 | Very limited Slow water movement Depth to saturated zone Ponding | 1.00 1.00 1.00 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.26 |
| 67: Dinswamp----- | 75 | Very limited Slow water movement Depth to saturated zone Ponding | 1.00 1.00 1.00 | Very limited Depth to saturated zone Sodium content Ponding Slow water movement | 1.00 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 68: Dipcreek----- | 35 | Very limited Slope Depth to bedrock Cobble content Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Cutoff----- | 30 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation No filtering capacity limitation | 1.00 1.00 0.01 |
| Sheep Creek----- | 20 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.35 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 69: Dipcreek----- | 60 | Very limited Depth to bedrock Cobble content Slope Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Rock outcrop----- | 40 | Not rated | | Not rated | |
| 70: Dirtyhead----- | 50 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.08 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Cobble content | 1.00 1.00 1.00 0.01 |
| Cedarhill----- | 30 | Very limited Slope Slow water movement Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 71: | | | | | |
| Dirtyhead----- | 35 | Very limited | | Very limited | |
| | | Slope | 1.00 | Too steep for | 1.00 |
| | | Depth to bedrock | 1.00 | surface | |
| | | Slow water | 1.00 | application | |
| | | movement | | Depth to bedrock | 1.00 |
| | | Cobble content | 0.08 | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Cobble content | 0.01 |
| Mumford----- | 30 | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to bedrock | 1.00 | Too steep for | 1.00 |
| | | Slow water | 1.00 | surface | |
| | | movement | | application | |
| | | | | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| Dranburn----- | 25 | Very limited | | Very limited | |
| | | Slope | 1.00 | Too steep for | 1.00 |
| | | Slow water | 1.00 | surface | |
| | | movement | | application | |
| | | | | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Filtering | 0.99 |
| | | | | capacity | |
| | | | | Too acid | 0.99 |
| | | | | Slow water | 0.26 |
| | | | | movement | |
| 72: | | | | | |
| Dollarhide----- | 90 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Slow water | 1.00 | Too steep for | 1.00 |
| | | movement | | surface | |
| | | Slope | 1.00 | application | |
| | | Cobble content | 0.02 | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Cobble content | 0.04 |
| 73: | | | | | |
| Dollarhide----- | 60 | Very limited | | Very limited | |
| | | Slope | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to bedrock | 1.00 | Too steep for | 1.00 |
| | | Slow water | 1.00 | surface | |
| | | movement | | application | |
| | | Cobble content | 0.02 | Too steep for | 1.00 |
| | | | | sprinkler | |
| | | | | irrigation | |
| | | | | Cobble content | 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73: Grunder----- | 20 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Filtering capacity Too acid | 1.00 1.00 0.99 0.99 |
| 74: Drage----- | 35 | Very limited Slope Slow water movement Cobble content | 1.00 1.00 0.97 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Causey----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Lilcan----- | 25 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.99 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 75: Dranburn----- | 50 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 75: Hoopgobel----- | 25 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Ledgehollow----- | 25 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 76: Dranburn----- | 60 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| Pavohroo----- | 40 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| 77: Dranburn----- | 60 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 77: Pontuge----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Filtering capacity Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 1.00 0.26 |
| 78: Dranburn----- | 60 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 1.00 0.99 0.99 0.26 |
| Poulridge----- | 40 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid | 1.00 1.00 1.00 0.99 0.99 |
| 79: Dranyon----- | 75 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid | 1.00 1.00 0.22 0.07 |
| 80: Dry Canyon, dry----- | 85 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid Depth to bedrock | 1.00 1.00 0.22 0.21 0.18 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 81: Dry Canyon, dry----- | 55 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid Depth to bedrock | 1.00 1.00 0.22 0.21 0.18 |
| Cutoff----- | 30 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock No filtering capacity limitation | 1.00 1.00 0.01 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 84: Dutchcanyon----- | 45 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.78 |
| Frenchollow----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.78 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 85: Every----- | 50 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.26 |
| Preuss----- | 25 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 1.00 1.00 0.02 |
| 86: Every----- | 55 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.26 |
| Preuss----- | 30 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Sodium content | 1.00 1.00 1.00 0.02 |
| 87: Fishaven----- | 70 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Dutchcanyon----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 88: Frenchhollow----- | 85 | Very limited Slow water movement | 1.00 | Very limited Slow water movement | 1.00 |
| 89: Frenchhollow----- | 85 | Very limited Slow water movement | 1.00 | Very limited Slow water movement | 1.00 |
| | | Slope | 1.00 | Too steep for surface application | 1.00 |
| | | | | Too steep for sprinkler irrigation | 1.00 |
| 90: Fury----- | 90 | Very limited Slow water movement | 1.00 | Very limited Depth to saturated zone | 1.00 |
| | | Depth to saturated zone | 1.00 | Filtering capacity | 0.99 |
| | | Flooding | 0.60 | Too acid | 0.99 |
| | | | | Flooding | 0.60 |
| | | | | Slow water movement | 0.22 |
| 91: Georgecanyon----- | 90 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.26 |
| | | Cobble content | 0.62 | | |
| | | Stone content | 0.02 | | |
| 92: Hades----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.26 |
| 93: Hades----- | 85 | Very limited Slow water movement | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slope | 1.00 | Slow water movement | 0.26 |
| | | | | Too steep for sprinkler irrigation | 0.22 |
| 94: Hades----- | 90 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |
| | | Slow water movement | 1.00 | Too steep for sprinkler irrigation | 1.00 |
| | | | | Slow water movement | 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 95: Hades----- | 60 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Horrocks----- | 25 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.22 |
| 96: Hagenbarth----- | 60 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Clegg----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 97: Hagenbarth----- | 55 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 97: Dranburn----- | 25 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| 98: Hagenbarth----- | 55 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Horrocks----- | 30 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.22 |
| 99: Hagenbarth----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Zeebar----- | 35 | Very limited Slow water movement Slope Cobble content | 1.00 1.00 0.09 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.22 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 99: Dranburn----- | 20 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| 100: Hoopgobel----- | 55 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 1.00 1.00 0.26 |
| Cadero----- | 30 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 0.32 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| 101: Hoopgobel----- | 65 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 1.00 1.00 0.26 |
| Slights----- | 25 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.98 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 102: Horrocks----- | 55 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.22 |
| Cedarhill----- | 30 | Very limited Slope Slow water movement Stone content Cobble content | 1.00 1.00 1.00 0.33 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 103: Horrocks----- | 60 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 0.94 0.50 0.22 |
| Cleavage----- | 25 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.50 0.26 |
| 104: Horrocks----- | 60 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.22 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 104: Cleavage----- | 25 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 105: Hutchley----- | 30 | Very limited Depth to bedrock Slow water movement Slope Cobble content Stone content | 1.00 1.00 1.00 0.65 0.01 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Cobble content Too acid | 1.00 1.00 0.59 0.07 |
| Cupine----- | 25 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.08 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Vitale----- | 20 | Very limited Slow water movement Depth to bedrock Cobble content Slope Stone content | 1.00 1.00 1.00 1.00 0.15 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 106: Iphil----- | 80 | Very limited Slow water movement | 1.00 | Somewhat limited Sodium content | 0.02 |
| 107: Iphil----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 0.50 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 108: Iphil----- | 80 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 1.00 0.02 |
| 109: Iphil----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 1.00 0.02 |
| Lanoak----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Watercanyon----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 110: Iphil----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 0.94 0.02 |
| Watercanyon----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.94 |
| 111: Iphil, dry----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Sodium content | 1.00 0.22 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 111: Watercanyon, dry----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 112: Ireland----- | 45 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.34 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Falula----- | 35 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Cobble content Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Vicking----- | 15 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 113: Jacanyon----- | 65 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.21 |
| Cleavage----- | 25 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 114: Jebo, dry----- | 40 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Cokeville, dry----- | 30 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Depth to bedrock | 1.00 1.00 1.00 0.26 0.05 |
| Dennot, dry----- | 20 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 115: Jebo----- | 55 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Cupine----- | 25 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.08 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 116: Jebo, dry----- | 55 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 116: Cupine, dry----- | 25 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.08 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 117: Jebo----- | 55 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 |
| Dipcreek----- | 35 | Very limited Depth to bedrock Cobble content Slope Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 118: Jebo, dry----- | 55 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 |
| Dipcreek, dry----- | 35 | Very limited Slope Depth to bedrock Cobble content Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 119: Joes----- | 75 | Very limited Slow water movement | 1.00 | Not limited | |
| 120: Joes----- | 75 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 121: Kucera----- | 90 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 122: Kucera----- | 45 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Chausse----- | 25 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Cobble content | 1.00 1.00 0.59 |
| Rexburg----- | 15 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 123: La Roco----- | 85 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Filtering capacity Depth to saturated zone Slow water movement | 0.99 0.86 0.26 |
| 124: La Roco, saline----- | 85 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Filtering capacity Depth to saturated zone Salinity Slow water movement Sodium content | 0.99 0.86 0.50 0.26 0.08 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 125: Lag----- | 40 | Very limited Slow water movement Slope Cobble content | 1.00 1.00 0.01 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid | 1.00 1.00 0.99 0.99 |
| Dollarhide----- | 35 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.02 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Cobble content | 1.00 1.00 1.00 0.04 |
| Rock outcrop----- | 15 | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Slope Slow water movement Cobble content | 1.00 1.00 0.01 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid | 1.00 1.00 0.99 0.99 |
| Dranyon----- | 25 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid | 1.00 1.00 0.22 0.07 |
| 127: Lago----- | 85 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| 128: Lago----- | 65 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 128: Bear Lake----- | 25 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid Slow water movement | 1.00 0.99 0.99 0.26 |
| 129: Lago----- | 60 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| Merkley----- | 30 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Somewhat limited Filtering capacity | 0.99 |
| 130: Lanoak----- | 80 | Very limited Slow water movement | 1.00 | Not limited | |
| 131: Lanoak----- | 85 | Very limited Slow water movement Slope | 1.00 0.50 | Somewhat limited Too steep for surface application | 0.68 |
| 132: Lanoak----- | 85 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.78 |
| 133: Lanoak----- | 90 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 134: Lanoak----- | 60 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 134: Arbone----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 135: Lanoak----- | 55 | Very limited Slow water movement | 1.00 | Not limited | |
| Rexburg----- | 35 | Very limited Slow water movement | 1.00 | Not limited | |
| 136: Leftfork----- | 60 | Very limited Slow water movement Depth to bedrock Slope Stone content | 1.00 1.00 1.00 0.48 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Depth to bedrock Too acid | 1.00 1.00 1.00 0.96 0.94 0.07 |
| Cleavage----- | 25 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 137: Lilcan----- | 60 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.99 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.21 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 138: Lilcan----- | 35 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.99 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Watkins Ridge, dry----- | 35 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Jacanyon----- | 20 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.21 |
| 139: Lonjon----- | 45 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Kucera----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Sprollo----- | 15 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 140: Lonjon----- | 45 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Kucera, dry----- | 20 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Sprollo, dry----- | 15 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 141: Lonjon----- | 30 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Monida----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.22 |
| Chokecherry----- | 20 | Very limited Depth to bedrock Cobble content Slope Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation Large stones on the surface | 1.00 1.00 1.00 1.00 0.32 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 142: Lonjon----- | 45 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Mumford----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| 143: Lonjon----- | 40 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Sheep Creek----- | 30 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.35 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Dipcreek----- | 25 | Very limited Slope Depth to bedrock Cobble content Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| 144: Lonjon----- | 45 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|----------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 144: Sprollo----- | 20 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Mumford----- | 15 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| 145: Marshdale----- | 45 | Very limited Slow water movement Depth to saturated zone Flooding | 1.00 1.00 0.60 | Very limited Filtering capacity Depth to saturated zone Too acid Flooding Slow water movement | 1.00 1.00 0.99 0.60 0.22 |
| Bloomcreek----- | 30 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity Too acid | 1.00 0.99 0.21 |
| 146: Merkley----- | 85 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Somewhat limited Filtering capacity | 0.99 |
| 147: Millerditch----- | 60 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Depth to saturated zone Sodium content Slow water movement | 0.89 0.50 0.26 |
| Cookcan----- | 25 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.49 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 148: Mumford----- | 90 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.78 |
| 149: Mumford----- | 60 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Sprollow----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 |
| 150: Mumford----- | 60 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Sprollow, dry----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 |
| 151: Mumford----- | 65 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|----------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 151: Sprollo, dry----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 |
| 152: Nielsen----- | 45 | Very limited Slow water movement Depth to bedrock Slope Cobble content | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.22 |
| Dranburn----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| Hagenbarth----- | 15 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 153: North Beach----- | 100 | Very limited Depth to saturated zone Cobble content Slow water movement | 1.00 0.51 0.32 | Very limited Filtering capacity Depth to saturated zone Cobble content Too steep for surface application | 1.00 1.00 1.00 0.08 |
| 154: Nuffer----- | 45 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Very limited Filtering capacity Depth to saturated zone | 1.00 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 154: Blackotter----- | 35 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Very limited Filtering capacity Depth to saturated zone | 1.00 1.00 |
| 155: Nythar----- | 75 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.22 |
| Sagollow----- | 15 | Very limited Slow water movement Depth to saturated zone Cobble content | 1.00 1.00 1.00 | Very limited Low adsorption Depth to saturated zone Slow water movement Too acid | 1.00 0.98 0.96 0.01 |
| 156: Ovidcreek----- | 75 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Sodium content Slow water movement Depth to saturated zone | 1.00 0.96 0.34 |
| 157: Parding----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Firading----- | 30 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.15 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Hagenbarth----- | 15 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 158: Parding, dry----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Firading, dry----- | 30 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.15 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Hagenbarth, dry----- | 15 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 159: Pegram----- | 80 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.49 |
| 160: Pinegap----- | 50 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 0.08 |
| Lonjon----- | 35 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| 161: Pinehollow----- | 45 | Very limited Slow water movement Depth to bedrock Slope Cobble content | 1.00 1.00 1.00 0.82 | Very limited Depth to bedrock Cobble content Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 1.00 0.60 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 161: Ant Flat----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation | 1.00 0.96 0.78 |
| Sheep Creek----- | 20 | Very limited Depth to bedrock Slow water movement Slope Cobble content | 1.00 1.00 1.00 0.35 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 162: Pits, gravel----- | 100 | Not rated | | Not rated | |
| 163: Pontuge----- | 45 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Filtering capacity Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| Cokeville----- | 40 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Depth to bedrock | 1.00 1.00 1.00 0.26 0.05 |
| 164: Preussrange----- | 50 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.63 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Sodium content | 1.00 1.00 1.00 1.00 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 164: Halfcircle----- | 35 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Depth to bedrock | 1.00 1.00 0.99 0.99 0.96 |
| 165: Prucree----- | 50 | Very limited Depth to bedrock Slope Slow water movement | 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Dipcreek----- | 30 | Very limited Depth to bedrock Cobble content Slope Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 166: Raynal----- | 90 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Depth to saturated zone Slow water movement | 0.68 0.26 |
| 167: Raynal----- | 60 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Somewhat limited Depth to saturated zone Slow water movement | 0.68 0.26 |
| Lago----- | 30 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| 168: Ream----- | 55 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Somewhat limited Filtering capacity | 0.99 |
| Merkley----- | 30 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Somewhat limited Filtering capacity | 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 169: Redpine----- | 45 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Draney----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Brushtop----- | 15 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 0.94 0.26 |
| 170: Rexburg----- | 80 | Very limited Slow water movement | 1.00 | Not limited | |
| 171: Rexburg----- | 55 | Very limited Slow water movement | 1.00 | Not limited | |
| Iphil----- | 25 | Very limited Slow water movement | 1.00 | Somewhat limited Sodium content | 0.02 |
| 172: Rexburg----- | 50 | Very limited Slow water movement Slope | 1.00 0.50 | Somewhat limited Too steep for surface application | 0.68 |
| Iphil----- | 25 | Very limited Slow water movement Slope | 1.00 0.50 | Somewhat limited Too steep for surface application Sodium content | 0.68 0.02 |
| 173: Rexburg----- | 65 | Very limited Slow water movement | 1.00 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 173: Kucera----- | 25 | Very limited Slow water movement | 1.00 | Not limited | |
| 174: Rexburg----- | 55 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| Kucera----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 175: Rexburg----- | 60 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Kucera----- | 35 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 176: Rexburg----- | 55 | Very limited Slow water movement | 1.00 | Not limited | |
| Ririe----- | 35 | Very limited Slow water movement | 1.00 | Not limited | |
| 177: Rexburg----- | 50 | Very limited Slow water movement Slope | 1.00 0.50 | Somewhat limited Too steep for surface application | 0.68 |
| Ririe----- | 25 | Very limited Slow water movement Slope | 1.00 0.50 | Somewhat limited Too steep for surface application | 0.68 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 178: Rexburg----- | 50 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.78 |
| Ririe----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.78 |
| 179: Rexburg----- | 55 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| Watercanyon----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 180: Rexburg----- | 50 | Very limited Slow water movement Slope | 1.00 0.88 | Somewhat limited Too steep for surface application Too steep for sprinkler irrigation | 0.92 0.06 |
| Wursten----- | 40 | Very limited Slow water movement Slope | 1.00 0.88 | Somewhat limited Too steep for surface application Too steep for sprinkler irrigation | 0.92 0.06 |
| 181: Richollow----- | 70 | Very limited Depth to bedrock Slope Cobble content Slow water movement | 1.00 1.00 0.92 0.32 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 181: Dranburn----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| 182: Richollow----- | 55 | Very limited Depth to bedrock Slope Cobble content Slow water movement | 1.00 1.00 0.92 0.32 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| Ledgehollow----- | 30 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Low adsorption Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 1.00 0.26 |
| 183: Ririe----- | 40 | Very limited Slow water movement | 1.00 | Not limited | |
| Iphil----- | 35 | Very limited Slow water movement | 1.00 | Somewhat limited Sodium content | 0.02 |
| 184: Sadducee----- | 55 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Very limited Depth to saturated zone Filtering capacity | 1.00 0.99 |
| Bearbeach----- | 45 | Very limited Depth to saturated zone Slow water movement | 1.00 1.00 | Very limited Filtering capacity Depth to saturated zone | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 185: Sheep Creek, dry----- | 40 | Very limited Slope Depth to bedrock Slow water movement Cobble content | 1.00 1.00 1.00 0.35 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Taylow, dry----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Too acid | 1.00 1.00 1.00 0.21 |
| Dry Canyon, dry----- | 20 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid Depth to bedrock | 1.00 1.00 0.22 0.21 0.18 |
| 186: Slight----- | 65 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.98 |
| Dranburn----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 187: Springhollow----- | 45 | Very limited Depth to bedrock Depth to cemented pan Slow water movement Slope | 1.00 1.00 1.00 0.88 | Very limited Depth to cemented pan Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 0.92 0.06 |
| Arbone----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 188: Springhollow, dry----- | 45 | Very limited Depth to bedrock Depth to cemented pan Slow water movement Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to cemented pan Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 0.22 |
| Arbone, dry----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 189: Sprollo----- | 55 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Lonjon----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 190: Sprollo, dry----- | 55 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Lonjon----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| 191: Sprollo----- | 35 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Lonjon----- | 30 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |
| Mumford----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 1.00 |
| 192: Sprollo, dry----- | 35 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 192: Lonjon----- | 30 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 1.00 |
| Mumford----- | 25 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 193: Sprollow----- | 40 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| Wursten----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Lonjon----- | 15 | Very limited Depth to bedrock Slow water movement Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 194: Streek----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Too acid | 1.00 0.98 0.78 0.07 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 194: Cleavage----- | 35 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 195: Streak, moist----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Too acid | 1.00 0.98 0.78 0.07 |
| Streak----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Too acid | 1.00 0.98 0.78 0.07 |
| Swanpeak----- | 25 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.78 0.08 |
| 196: Streak----- | 45 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Too acid | 1.00 0.98 0.78 0.07 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 196: Swanpeak----- | 35 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.78 0.08 |
| 197: Streek----- | 35 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Too acid | 1.00 0.98 0.22 0.07 |
| Swanpeak----- | 35 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.22 0.08 |
| Sagollow----- | 25 | Very limited Slow water movement Depth to saturated zone Cobble content Slope | 1.00 1.00 1.00 0.50 | Very limited Low adsorption Depth to saturated zone Slow water movement Too steep for surface application Too acid | 1.00 0.98 0.96 0.68 0.01 |
| 198: Suryon----- | 90 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 199: Swan Flat----- | 65 | Very limited Slope Slow water movement Cobble content | 1.00 1.00 0.70 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 199: Dranburn----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid Slow water movement | 1.00 1.00 0.99 0.99 0.26 |
| 200: Swanpeak----- | 85 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.50 0.08 |
| 201: Swanpeak----- | 60 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.94 0.08 |
| Ant Flat----- | 25 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation | 1.00 0.96 0.94 |
| 202: Swanpeak----- | 50 | Very limited Slow water movement Slope Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation Cobble content | 1.00 0.96 0.78 0.08 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 202: Cloudless----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 0.78 0.26 |
| 203: Swanpeak----- | 70 | Very limited Slope Slow water movement Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Cobble content | 1.00 1.00 1.00 0.96 0.08 |
| Dutchcanyon----- | 20 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 204: Swanpeak----- | 45 | Very limited Slope Slow water movement Cobble content Stone content | 1.00 1.00 0.96 0.19 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Cobble content | 1.00 1.00 0.96 0.08 |
| Dutchcanyon----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Ant Flat----- | 25 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 205: Thatcher----- | 85 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation | 1.00 0.26 0.22 |
| 206: Thatcher, dry----- | 85 | Very limited Slow water movement Slope | 1.00 0.12 | Somewhat limited Too steep for surface application Slow water movement | 0.32 0.26 |
| 207: Thatcher----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Church Springs----- | 40 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 0.78 0.22 |
| 208: Thatcher----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Clegg----- | 20 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 209: | | | | | |
| Thatcher----- | 60 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.26 |
| Joes----- | 25 | Very limited Slow water movement | 1.00 | Not limited | |
| 210: | | | | | |
| Thatcherflats----- | 75 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Sodium content Slow water movement | 1.00 1.00 |
| 211: | | | | | |
| Thomasfork----- | 95 | Very limited Slow water movement Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Slow water movement | 1.00 0.96 |
| 212: | | | | | |
| Toponce----- | 50 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid | 1.00 1.00 0.96 0.03 |
| Bailcreek----- | 40 | Very limited Slow water movement Cobble content Slope | 1.00 1.00 1.00 | Very limited Slow water movement Too steep for surface application Too steep for sprinkler irrigation Filtering capacity Too acid | 1.00 1.00 1.00 0.99 0.99 |
| 213: | | | | | |
| Tubbs Hollow----- | 50 | Very limited Depth to bedrock Cobble content Slope Slow water movement Stone content | 1.00 1.00 1.00 0.32 0.24 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|----------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 213: Dry Canyon, dry----- | 35 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Too acid Depth to bedrock | 1.00 1.00 0.22 0.21 0.18 |
| 214: Vicking----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slow water movement | 0.26 |
| 215: Vicking----- | 85 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Slow water movement Too steep for sprinkler irrigation | 1.00 0.26 0.22 |
| 216: Vicking----- | 85 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| 217: Vicking, dry----- | 85 | Very limited Slow water movement Slope | 1.00 0.50 | Somewhat limited Too steep for surface application Slow water movement | 0.68 0.26 |
| 218: Vicking, dry----- | 85 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 219: Vicking----- | 55 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 0.26 |
| Cokeville----- | 35 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Depth to bedrock | 1.00 1.00 0.26 0.05 |
| 220: Vipont----- | 55 | Very limited Slope Slow water movement Depth to bedrock Cobble content Stone content | 1.00 1.00 1.00 1.00 0.98 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Cobble content | 1.00 1.00 1.00 1.00 0.59 |
| Dipcreek----- | 30 | Very limited Slope Depth to bedrock Cobble content Slow water movement | 1.00 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 221: Vipont----- | 50 | Very limited Slope Slow water movement Depth to bedrock Cobble content Stone content | 1.00 1.00 1.00 1.00 0.98 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Cobble content | 1.00 1.00 1.00 1.00 0.59 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|--|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 221: Prucree----- | 35 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 0.32 | Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 1.00 |
| 222: Vipont----- | 55 | Very limited Slope Slow water movement Depth to bedrock Cobble content Stone content | 1.00 1.00 1.00 0.98 | Very limited Large stones on the surface Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Cobble content | 1.00 1.00 1.00 1.00 0.59 |
| Suryon----- | 35 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 223: Warshod----- | 45 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 0.77 |
| Slan----- | 35 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock Slow water movement | 1.00 1.00 1.00 0.26 |
| 224: Warshod, dry----- | 55 | Very limited Slope Depth to bedrock Slow water movement | 1.00 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Depth to bedrock | 1.00 1.00 0.77 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|-----------------------------------|---------------------------|---|--------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 224: Slan, dry----- | 35 | Very limited Slope Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep for surface application Depth to bedrock Too steep for sprinkler irrigation Slow water movement | 1.00 1.00 1.00 0.26 |
| 225: Water----- | 100 | Not rated | | Not rated | |
| 226: Water, miscellaneous----- | 100 | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.22 |
| 228: Wursten----- | 75 | Very limited Slow water movement | 1.00 | Not limited | |
| 229: Wursten----- | 80 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.78 |
| 230: Wursten----- | 80 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 231: Wursten, dry----- | 85 | Very limited Slow water movement Slope | 1.00 0.88 | Somewhat limited Too steep for surface application Too steep for sprinkler irrigation | 0.92 0.06 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---|--------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 232: Wursten----- | 50 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Bearhollow----- | 30 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation Slow water movement Sodium content | 1.00 1.00 1.00 0.26 0.08 |
| 233: Wursten----- | 55 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.50 |
| Rexburg----- | 30 | Very limited Slow water movement Slope | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 0.50 |
| 234: Wursten----- | 45 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| Rexburg----- | 35 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |
| 235: Wursten, dry----- | 45 | Very limited Slope Slow water movement | 1.00 1.00 | Very limited Too steep for surface application Too steep for sprinkler irrigation | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Agricultural Disposal of Wastewater by Rapid Infiltration and Slow Rate Treatment

| Map symbol and soil name | Pct. of map unit | Rapid infiltration of wastewater | | Slow rate treatment of wastewater | |
|--------------------------------|---------------------------|---------------------------------------|-------|---|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 235: Rexburg, dry----- | 35 | Very limited Slope | 1.00 | Very limited Too steep for surface application | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Camp areas | Picnic areas | Playgrounds |
|--------------------------------|---------------------------|---|---|---|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 1: Ant Flat----- | 75 | Somewhat limited Slow water movement | Somewhat limited Slow water movement | Somewhat limited Gravel Slow water movement Slope |
| | | 0.41 | 0.41 | 0.68 0.41 0.12 |
| 2: Ant Flat----- | 80 | Somewhat limited Slow water movement Slope | Somewhat limited Slow water movement Slope | Very limited Slope Gravel Slow water movement |
| | | 0.41 0.01 | 0.41 0.01 | 1.00 0.68 0.41 |
| 3: Ant Flat----- | 80 | Very limited Too steep Slow water movement | Very limited Too steep Slow water movement | Very limited Slope Gravel Slow water movement |
| | | 1.00 0.41 | 1.00 0.41 | 1.00 0.68 0.41 |
| 4: Arbone----- | 85 | Not limited | Not limited | Somewhat limited Gravel Slope |
| | | | | 0.44 0.12 |
| 5: Arbone----- | 80 | Somewhat limited Slope | Somewhat limited Slope | Very limited Slope Gravel |
| | | 0.01 | 0.01 | 1.00 0.44 |
| 6: Arbone, dry----- | 80 | Very limited Too steep | Very limited Too steep | Very limited Slope Gravel |
| | | 1.00 | 1.00 | 1.00 0.44 |
| 7: Arbone----- | 60 | Not limited | Not limited | Somewhat limited Gravel Slope |
| | | | | 0.44 0.12 |
| Wursten----- | 25 | Not limited | Not limited | Somewhat limited Slope |
| | | | | 0.12 |
| 8: Arbone----- | 55 | Somewhat limited Slope | Somewhat limited Slope | Very limited Slope Gravel |
| | | 0.01 | 0.01 | 1.00 0.44 |
| Wursten----- | 35 | Somewhat limited Slope | Somewhat limited Slope | Very limited Slope |
| | | 0.01 | 0.01 | 1.00 |
| 9: Arbone, dry----- | 55 | Somewhat limited Slope | Somewhat limited Slope | Very limited Slope Gravel |
| | | 0.01 | 0.01 | 1.00 0.44 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|------------------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 9: Wursten, dry----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 10: Bailcreek----- | 75 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Slow water movement | 1.00 1.00 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| 11: Bailcreek----- | 55 | Very limited Slow water movement Slope | 1.00 0.63 | Very limited Slow water movement Slope | 1.00 0.63 | Very limited Slow water movement Slope | 1.00 1.00 |
| Toponce----- | 40 | Somewhat limited Slow water movement Slope | 0.96 0.63 | Somewhat limited Slow water movement Slope | 0.96 0.63 | Very limited Slope Slow water movement | 1.00 0.96 |
| 12: Bancroft----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 13: Bancroft----- | 80 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 14: Bancroft----- | 85 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 15: Bear Lake----- | 55 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.26 | Somewhat limited Depth to saturated zone Slow water movement | 0.96 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| Bear Lake, ponded----- | 25 | Very limited Depth to saturated zone Flooding Ponding Slow water movement | 1.00 1.00 1.00 0.26 | Very limited Ponding Depth to saturated zone Slow water movement | 1.00 1.00 0.26 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.26 |
| 16: Bear Lake----- | 40 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.26 | Somewhat limited Depth to saturated zone Slow water movement | 0.96 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 16: Chesbrook----- | 25 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| La Roco----- | 15 | Very limited Flooding | 1.00 | Not limited | | Not limited | |
| 17: Bear Lake----- | 50 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.26 | Somewhat limited Depth to saturated zone Slow water movement | 0.96 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| Lago----- | 35 | Very limited Flooding Depth to saturated zone | 1.00 0.88 | Somewhat limited Depth to saturated zone | 0.56 | Somewhat limited Depth to saturated zone | 0.88 |
| 18: Bearbou----- | 85 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.41 | Very limited Depth to saturated zone Slow water movement | 1.00 0.41 | Very limited Depth to saturated zone Slow water movement | 1.00 0.41 |
| 19: Bearhollow----- | 30 | Somewhat limited Gravel Slope | 0.61 0.01 | Somewhat limited Gravel Slope | 0.61 0.01 | Very limited Gravel Slope | 1.00 1.00 |
| Brifox----- | 25 | Somewhat limited Slow water movement Slope | 0.45 0.01 | Somewhat limited Slow water movement Slope | 0.45 0.01 | Very limited Slope Slow water movement | 1.00 0.45 |
| Iphil----- | 20 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 20: Bearhollow----- | 30 | Very limited Too steep Gravel | 1.00 0.61 | Very limited Too steep Gravel | 1.00 0.61 | Very limited Gravel Slope | 1.00 1.00 |
| Brifox----- | 25 | Very limited Too steep Slow water movement | 1.00 0.45 | Very limited Too steep Slow water movement | 1.00 0.45 | Very limited Slope Slow water movement | 1.00 0.45 |
| Iphil----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 21: Benning----- | 90 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 22: Bern----- | 90 | Not limited | | Not limited | | Not limited | |
| 23: Bezzant----- | 75 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.37 | Slope | 0.37 | Slope | 1.00 |
| | | Gravel | 0.26 | Gravel | 0.26 | Gravel | 1.00 |
| 24: Bezzant----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.26 | Gravel | 0.26 | Slope | 1.00 |
| Swanpeak----- | 45 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.41 | Slow water | 0.41 | Slope | 1.00 |
| | | movement | | movement | | Gravel | 0.54 |
| | | Slope | 0.01 | Slope | 0.01 | Slow water | 0.41 |
| | | | | | | movement | |
| 25: Bischoff----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.26 | Slow water | 0.26 | Slow water | 0.26 |
| | | movement | | movement | | movement | |
| Hagenbarth----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 26: Bloomington----- | 80 | Very limited | | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Ponding | 1.00 | Ponding | 1.00 | Ponding | 1.00 |
| | | Slow water | 0.26 | Slow water | 0.26 | Slow water | 0.26 |
| | | movement | | movement | | movement | |
| 27: Boundridge----- | 75 | Very limited | | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Gravel | 1.00 |
| | | Depth to cement | 1.00 | Depth to cement | 1.00 | Depth to bedrock | 1.00 |
| | | pan | | pan | | Depth to cement | 1.00 |
| | | Gravel | 0.99 | Gravel | 0.99 | pan | |
| | | Slope | 0.04 | Slope | 0.04 | Slope | 1.00 |
| Sweetcreek----- | 20 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Dusty | 0.50 | Dusty | 0.50 | Slope | 1.00 |
| | | Slope | 0.04 | Slope | 0.04 | Dusty | 0.50 |
| | | | | | | Depth to bedrock | 0.01 |
| 28: Boyd hollow----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.68 | Gravel | 0.68 | Slope | 1.00 |
| Slan----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.29 |
| Cokeville----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.22 | Gravel | 0.22 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 29: | | | | | | | |
| Brifox----- | 75 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.45 | Slow water | 0.45 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.45 |
| | | Slope | 0.01 | Slope | 0.01 | movement | |
| Lizdale----- | 20 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Gravel | 0.38 | Gravel | 0.38 | Gravel | 1.00 |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| 30: | | | | | | | |
| Brifox----- | 45 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.45 | Slow water | 0.45 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.45 |
| | | Slope | 0.01 | Slope | 0.01 | movement | |
| Niter----- | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.45 | Slow water | 0.45 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.45 |
| | | Slope | 0.01 | Slope | 0.01 | movement | |
| 31: | | | | | | | |
| Brifox----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.45 | Slow water | 0.45 | Slow water | 0.45 |
| | | movement | | movement | | movement | |
| Niter----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.45 | Slow water | 0.45 | Slow water | 0.45 |
| | | movement | | movement | | movement | |
| 32: | | | | | | | |
| Broadhead----- | 85 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.12 |
| | | | | | | Gravel | 0.04 |
| 33: | | | | | | | |
| Broadhead----- | 80 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| | | | | | | Gravel | 0.04 |
| 34: | | | | | | | |
| Broadhead----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Gravel | 0.04 |
| Hades----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Swanpeak----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.41 | Slow water | 0.41 | Gravel | 0.54 |
| | | movement | | movement | | Slow water | 0.41 |
| | | | | | | movement | |
| 35: | | | | | | | |
| Buist----- | 85 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Gravel | 0.01 | Gravel | 0.01 | Gravel | 1.00 |
| | | | | | | Slope | 0.12 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|------------------|---|------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 36: Buist----- | 90 | Somewhat limited Gravel Slope | 0.01 0.01 | Somewhat limited Gravel Slope | 0.01 0.01 | Very limited Gravel Slope | 1.00 1.00 |
| 37: Buist, dry----- | 90 | Somewhat limited Gravel Slope | 0.01 0.01 | Somewhat limited Gravel Slope | 0.01 0.01 | Very limited Gravel Slope | 1.00 1.00 |
| 38: Buist----- | 90 | Very limited Gravel | 1.00 | Very limited Gravel | 1.00 | Very limited Gravel Slope | 1.00 0.12 |
| 39: Buist----- | 65 | Somewhat limited Gravel | 0.01 | Somewhat limited Gravel | 0.01 | Very limited Gravel Slope | 1.00 0.12 |
| Arbone----- | 30 | Not limited | | Not limited | | Somewhat limited Gravel Slope | 0.44 0.12 |
| 40: Burchert----- | 60 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.46 |
| Whitetop----- | 25 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Slope Depth to bedrock | 1.00 1.00 |
| 41: Cedarhill----- | 90 | Somewhat limited Slope Gravel | 0.84 0.02 | Somewhat limited Slope Gravel | 0.84 0.02 | Very limited Slope Gravel | 1.00 1.00 |
| 42: Cedarhill, dry----- | 80 | Very limited Too steep Gravel | 1.00 0.02 | Very limited Too steep Gravel | 1.00 0.02 | Very limited Slope Gravel | 1.00 1.00 |
| 43: Cedarhill----- | 50 | Somewhat limited Slope Gravel | 0.84 0.02 | Somewhat limited Slope Gravel | 0.84 0.02 | Very limited Slope Gravel | 1.00 1.00 |
| Bearhollow----- | 40 | Somewhat limited Slope Gravel | 0.84 0.61 | Somewhat limited Slope Gravel | 0.84 0.61 | Very limited Gravel Slope | 1.00 1.00 |
| 44: Cedarhill----- | 50 | Very limited Too steep Gravel | 1.00 0.02 | Very limited Too steep Gravel | 1.00 0.02 | Very limited Slope Gravel | 1.00 1.00 |
| Buist----- | 35 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Slope Gravel | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 45: | | | | | | | |
| Cedarhill----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Gravel | 1.00 |
| Burchert----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.46 |
| 46: | | | | | | | |
| Cedarhill----- | 60 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.84 | Slope | 0.84 | Gravel | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Slope | 1.00 |
| Clegg----- | 40 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.84 | Slope | 0.84 | Slope | 1.00 |
| 47: | | | | | | | |
| Cedarhill----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Gravel | 1.00 |
| Clegg----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Drage----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Gravel | 0.01 |
| 48: | | | | | | | |
| Cedarhill, dry----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Gravel | 1.00 |
| Pinehollow, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.46 | Large stones | 0.46 | Depth to bedrock | 0.80 |
| | | content | | content | | Large stones | 0.46 |
| | | Slow water | 0.05 | Slow water | 0.05 | content | |
| | | movement | | movement | | Gravel | 0.16 |
| | | | | | | Slow water | 0.05 |
| | | | | | | movement | |
| 49: | | | | | | | |
| Cedarhill----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Gravel | 1.00 |
| Wursten----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 50: | | | | | | | |
| Chesbrook----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Flooding | 1.00 | Slow water | 0.26 | Slow water | 0.26 |
| | | Slow water | 0.26 | movement | | movement | |
| | | movement | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|------------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 50: Bear Lake----- | 20 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.26 | Somewhat limited Depth to saturated zone Slow water movement | 0.96 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| 51: Chinhill----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 52: Chokecherry----- | 65 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.23 0.01 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.23 0.01 | Very limited Gravel Slope Depth to bedrock Large stones content | 1.00 1.00 1.00 0.01 |
| Dranyon----- | 20 | Very limited Too steep Slow water movement | 1.00 0.22 | Very limited Too steep Slow water movement | 1.00 0.22 | Very limited Slope Gravel Slow water movement | 1.00 0.78 0.22 |
| 53: Chokecherry----- | 45 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.23 0.01 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.23 0.01 | Very limited Gravel Depth to bedrock Slope Large stones content | 1.00 1.00 1.00 0.01 |
| Slights----- | 25 | Very limited Too steep Slow water movement | 1.00 0.98 | Very limited Too steep Slow water movement | 1.00 0.98 | Very limited Slope Slow water movement Gravel | 1.00 0.98 0.01 |
| Sheep Creek----- | 20 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.01 |
| 54: Chokecherry----- | 30 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.23 0.01 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.23 0.01 | Very limited Gravel Depth to bedrock Slope Large stones content | 1.00 1.00 1.00 0.01 |
| Tubbs Hollow----- | 30 | Very limited Too steep Dusty Gravel | 1.00 0.50 0.20 | Very limited Too steep Dusty Gravel | 1.00 0.50 0.20 | Very limited Gravel Slope Depth to bedrock Dusty | 1.00 1.00 0.84 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|---------------------------------|------------------|---|----------------------------------|---|----------------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 54: Sheep Creek, dry----- | 25 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.01 |
| 55: Church Springs, dry----- | 55 | Somewhat limited Slope | 0.84 | Somewhat limited Slope | 0.84 | Very limited Slope | 1.00 |
| Monida, dry----- | 35 | Somewhat limited Slope Slow water movement | 0.84 0.22 | Somewhat limited Slope Slow water movement | 0.84 0.22 | Very limited Slope Gravel Slow water movement | 1.00 0.96 0.22 |
| 56: Cleavage----- | 70 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Slope Depth to bedrock | 1.00 1.00 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 58: Clegg----- | 90 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Slope | 1.00 |
| 59: Clegg----- | 50 | Somewhat limited Slope | 0.96 | Somewhat limited Slope | 0.96 | Very limited Slope | 1.00 |
| Grecan----- | 35 | Somewhat limited Slope Slow water movement | 0.96 0.41 | Somewhat limited Slope Slow water movement | 0.96 0.41 | Very limited Slope Slow water movement Gravel | 1.00 0.41 0.01 |
| 60: Cooley, dry----- | 40 | Very limited Too steep Gravel | 1.00 0.77 | Very limited Too steep Gravel | 1.00 0.77 | Very limited Gravel Slope | 1.00 1.00 |
| Beehunt, dry----- | 30 | Very limited Too steep Gravel Large stones content | 1.00 0.95 0.10 | Very limited Too steep Gravel Large stones content | 1.00 0.95 0.10 | Very limited Gravel Slope Large stones content | 1.00 1.00 0.10 |
| 61: Crossley----- | 70 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.91 0.04 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.91 0.04 | Very limited Gravel Depth to bedrock Slope Large stones content | 1.00 1.00 1.00 0.04 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|----------------------------------|---|----------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 62: Crossley----- | 50 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.91 0.04 | Very limited Too steep Depth to bedrock Gravel Large stones content | 1.00 1.00 0.91 0.04 | Very limited Gravel Slope Depth to bedrock Large stones content | 1.00 1.00 1.00 1.00 0.04 |
| Whitetop----- | 30 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Slope Depth to bedrock | 1.00 1.00 |
| Rock outcrop----- | 10 | Not rated | | Not rated | | Not rated | |
| 63: Cupine----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock Gravel | 1.00 0.95 0.38 |
| Dunford----- | 25 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock | 1.00 0.71 |
| 64: Cupine, dry----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock Gravel | 1.00 0.95 0.38 |
| Falula, dry----- | 30 | Very limited Too steep Depth to bedrock Large stones content Gravel | 1.00 1.00 0.65 0.38 | Very limited Too steep Depth to bedrock Large stones content Gravel | 1.00 1.00 0.65 0.38 | Very limited Gravel Depth to bedrock Slope Large stones content | 1.00 1.00 1.00 1.00 0.65 |
| 65: Dennot, dry----- | 50 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope Gravel | 1.00 0.56 |
| Thatcher, dry----- | 40 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope | 1.00 |
| 66: Dingle----- | 80 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.26 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.26 | Very limited Depth to saturated zone Ponding Slow water movement | 1.00 1.00 0.26 |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Sodium content Ponding Slow water movement | 1.00 1.00 1.00 0.26 | Very limited Depth to saturated zone Sodium content Ponding Slow water movement | 1.00 1.00 1.00 0.26 | Very limited Depth to saturated zone Sodium content Ponding Slow water movement | 1.00 1.00 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 68: | | | | | | | |
| Dipcreek----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Gravel | 1.00 |
| Cutoff----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Gravel | 1.00 |
| | | | | | | Depth to bedrock | 0.95 |
| Sheep Creek----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.55 | Gravel | 0.55 | Gravel | 1.00 |
| | | | | | | Depth to bedrock | 0.01 |
| 69: | | | | | | | |
| Dipcreek----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Depth to bedrock | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Slope | 1.00 |
| Rock outcrop----- | 40 | Not rated | | Not rated | | Not rated | |
| 70: | | | | | | | |
| Dirtyhead----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.15 | Gravel | 0.15 | Gravel | 1.00 |
| | | | | | | Depth to bedrock | 0.29 |
| Cedarhill----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Gravel | 1.00 |
| 71: | | | | | | | |
| Dirtyhead----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.15 | Gravel | 0.15 | Gravel | 1.00 |
| | | | | | | Depth to bedrock | 0.29 |
| Mumford----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Gravel | 1.00 | Gravel | 1.00 | Gravel | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| Dranburn----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.26 | Slow water | 0.26 | Slow water | 0.26 |
| | | movement | | movement | | movement | |
| 72: | | | | | | | |
| Dollarhide----- | 90 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Gravel | 0.78 | Gravel | 0.78 | Slope | 1.00 |
| 73: | | | | | | | |
| Dollarhide----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Slope | 1.00 |
| | | Gravel | 0.78 | Gravel | 0.78 | Depth to bedrock | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|------------------------------|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 73: Grunder----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock | 1.00 0.80 |
| 74: Drage----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.01 |
| Causey----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.01 |
| Lilcan----- | 25 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.99 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| 75: Dranburn----- | 50 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| Hoopgobel----- | 25 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Depth to bedrock Slow water movement | 1.00 0.65 0.26 |
| Ledgehollow----- | 25 | Very limited Too steep Depth to bedrock Dusty Gravel | 1.00 1.00 0.50 0.01 | Very limited Too steep Depth to bedrock Dusty Gravel | 1.00 1.00 0.50 0.01 | Very limited Slope Depth to bedrock Gravel Dusty | 1.00 1.00 1.00 0.50 |
| 76: Dranburn----- | 60 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| Pavohroo----- | 40 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| 77: Dranburn----- | 60 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| Pontuge----- | 30 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Gravel Slow water movement | 1.00 0.78 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 78: | | | | | | | |
| Dranburn----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.26 | Slow water | 0.26 | Slow water | 0.26 |
| | | movement | | movement | | movement | |
| Poulridge----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.03 |
| 79: | | | | | | | |
| Dranyon----- | 75 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.22 | Slow water | 0.22 | Gravel | 0.78 |
| | | movement | | movement | | Slow water | 0.22 |
| | | | | | | movement | |
| 80: | | | | | | | |
| Dry Canyon, dry----- | 85 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 81: | | | | | | | |
| Dry Canyon, dry----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Cutoff----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Gravel | 1.00 |
| | | | | | | Depth to bedrock | 0.95 |
| 82: | | | | | | | |
| Dumps, mine----- | 100 | Not rated | | Not rated | | Not rated | |
| 83: | | | | | | | |
| Dutchcanyon----- | 85 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Gravel | 0.03 | Gravel | 0.03 | Gravel | 1.00 |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| 84: | | | | | | | |
| Dutchcanyon----- | 45 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.16 | Slope | 0.16 | Gravel | 1.00 |
| | | Gravel | 0.03 | Gravel | 0.03 | Slope | 1.00 |
| Frenchollow----- | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.45 | Slow water | 0.45 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.45 |
| | | Slope | 0.16 | Slope | 0.16 | movement | |
| 85: | | | | | | | |
| Every----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Preuss----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.97 | Gravel | 0.97 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.97 |
| 86: | | | | | | | |
| Every----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|--------------------------|--|------------------|--|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 86: Preuss----- | 30 | Very limited Too steep Gravel | 1.00 0.97 | Very limited Too steep Gravel | 1.00 0.97 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.97 |
| 87: Fishaven----- | 70 | Somewhat limited Slope Gravel | 0.96 0.46 | Somewhat limited Slope Gravel | 0.96 0.46 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.71 |
| Dutchcanyon----- | 20 | Somewhat limited Slope Gravel | 0.96 0.03 | Somewhat limited Slope Gravel | 0.96 0.03 | Very limited Gravel Slope | 1.00 1.00 |
| 88: Frenchollow----- | 85 | Somewhat limited Slow water movement | 0.45 | Somewhat limited Slow water movement | 0.45 | Somewhat limited Slow water movement Slope | 0.45 0.12 |
| 89: Frenchollow----- | 85 | Somewhat limited Slope Slow water movement | 0.63 0.45 | Somewhat limited Slope Slow water movement | 0.63 0.45 | Very limited Slope Slow water movement | 1.00 0.45 |
| 90: Fury----- | 90 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.22 | Very limited Depth to saturated zone Slow water movement | 1.00 0.22 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 0.60 0.22 |
| 91: Georgecanyon----- | 90 | Somewhat limited Gravel | 0.01 | Somewhat limited Gravel | 0.01 | Very limited Gravel Slope | 1.00 0.12 |
| 92: Hades----- | 85 | Not limited | | Not limited | | Not limited | |
| 93: Hades----- | 85 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 94: Hades----- | 90 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 95: Hades----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Horrocks----- | 25 | Very limited Too steep Gravel | 1.00 0.79 | Very limited Too steep Gravel | 1.00 0.79 | Very limited Gravel Slope | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | Picnic areas | Playgrounds |
|--------------------------------|---------------------------|---|---|---|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 96: Hagenbarth----- | 60 | Very limited Too steep | Very limited Too steep | Very limited Slope |
| | | 1.00 | 1.00 | 1.00 |
| Clegg----- | 40 | Very limited Too steep | Very limited Too steep | Very limited Slope |
| | | 1.00 | 1.00 | 1.00 |
| 97: Hagenbarth----- | 55 | Very limited Too steep | Very limited Too steep | Very limited Slope |
| | | 1.00 | 1.00 | 1.00 |
| Dranburn----- | 25 | Very limited Too steep Slow water movement | Very limited Too steep Slow water movement | Very limited Slope Slow water movement |
| | | 1.00 0.26 | 1.00 0.26 | 1.00 0.26 |
| 98: Hagenbarth----- | 55 | Very limited Too steep | Very limited Too steep | Very limited Slope |
| | | 1.00 | 1.00 | 1.00 |
| Horrocks----- | 30 | Very limited Too steep Gravel | Very limited Too steep Gravel | Very limited Gravel Slope |
| | | 1.00 0.79 | 1.00 0.79 | 1.00 1.00 |
| 99: Hagenbarth----- | 40 | Very limited Too steep | Very limited Too steep | Very limited Slope |
| | | 1.00 | 1.00 | 1.00 |
| Zeebar----- | 35 | Very limited Too steep Dusty Gravel | Very limited Too steep Dusty Gravel | Very limited Gravel Slope Dusty |
| | | 1.00 0.50 0.02 | 1.00 0.50 0.02 | 1.00 1.00 0.50 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | Very limited Too steep Slow water movement | Very limited Slope Slow water movement |
| | | 1.00 0.26 | 1.00 0.26 | 1.00 0.26 |
| 100: Hoopgobel----- | 55 | Very limited Too steep Slow water movement | Very limited Too steep Slow water movement | Very limited Slope Depth to bedrock Slow water movement |
| | | 1.00 0.26 | 1.00 0.26 | 1.00 0.65 0.26 |
| Cadero----- | 30 | Very limited Too steep | Very limited Too steep | Very limited Slope Depth to bedrock |
| | | 1.00 | 1.00 | 1.00 0.84 |
| 101: Hoopgobel----- | 65 | Very limited Too steep Slow water movement | Very limited Too steep Slow water movement | Very limited Slope Depth to bedrock Slow water movement |
| | | 1.00 0.26 | 1.00 0.26 | 1.00 0.65 0.26 |
| Slights----- | 25 | Very limited Too steep Slow water movement | Very limited Too steep Slow water movement | Very limited Slope Slow water movement Gravel |
| | | 1.00 0.98 | 1.00 0.98 | 1.00 0.98 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 102: | | | | | | | |
| Horrocks----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.79 | Gravel | 0.79 | Slope | 1.00 |
| Cedarhill----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.02 | Gravel | 0.02 | Gravel | 1.00 |
| 103: | | | | | | | |
| Horrocks----- | 60 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Gravel | 0.79 | Gravel | 0.79 | Gravel | 1.00 |
| | | Slope | 0.04 | Slope | 0.04 | Slope | 1.00 |
| Cleavage----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Slope | 1.00 |
| | | Slope | 0.04 | Slope | 0.04 | Depth to bedrock | 1.00 |
| 104: | | | | | | | |
| Horrocks----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.79 | Gravel | 0.79 | Slope | 1.00 |
| Cleavage----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| 105: | | | | | | | |
| Hutchley----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Slope | 1.00 |
| | | Gravel | 0.05 | Gravel | 0.05 | Depth to bedrock | 1.00 |
| | | Large stones content | 0.01 | Large stones content | 0.01 | Large stones content | 0.01 |
| Cupine----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.95 |
| | | | | | | Gravel | 0.38 |
| Vitale----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.92 | Gravel | 0.92 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.46 |
| 106: | | | | | | | |
| Iphil----- | 80 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.12 |
| 107: | | | | | | | |
| Iphil----- | 80 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.04 | Slope | 0.04 | Slope | 1.00 |
| 108: | | | | | | | |
| Iphil----- | 80 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.96 | Slope | 0.96 | Slope | 1.00 |
| 109: | | | | | | | |
| Iphil----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|------------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 109: Lanoak----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Watercanyon----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 110: Iphil----- | 50 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope | 1.00 |
| Watercanyon----- | 30 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope | 1.00 |
| 111: Iphil, dry----- | 50 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Watercanyon, dry----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 112: Ireland----- | 45 | Very limited Too steep Gravel | 1.00 0.16 | Very limited Too steep Gravel | 1.00 0.16 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.90 |
| Falula----- | 35 | Very limited Too steep Depth to bedrock Large stones content Gravel | 1.00 1.00 0.65 0.38 | Very limited Too steep Depth to bedrock Large stones content Gravel | 1.00 1.00 0.65 0.38 | Very limited Gravel Slope Depth to bedrock Large stones content | 1.00 1.00 1.00 0.65 |
| Vicking----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.56 |
| 113: Jacanyon----- | 65 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock | 1.00 0.10 |
| Cleavage----- | 25 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Slope Depth to bedrock | 1.00 1.00 |
| 114: Jebo, dry----- | 40 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.65 |
| Cokeville, dry----- | 30 | Very limited Too steep Gravel | 1.00 0.22 | Very limited Too steep Gravel | 1.00 0.22 | Very limited Gravel Slope | 1.00 1.00 |
| Dennot, dry----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.56 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 115: Jebo----- | 55 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.65 |
| Cupine----- | 25 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock Gravel | 1.00 0.95 0.38 |
| 116: Jebo, dry----- | 55 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.65 |
| Cupine, dry----- | 25 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock Gravel | 1.00 0.95 0.38 |
| 117: Jebo----- | 55 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.65 |
| Dipcreek----- | 35 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.01 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.01 | Very limited Depth to bedrock Gravel Slope | 1.00 1.00 1.00 |
| 118: Jebo, dry----- | 55 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Too steep Gravel | 1.00 0.01 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.65 |
| Dipcreek, dry----- | 35 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.01 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.01 | Very limited Slope Depth to bedrock Gravel | 1.00 1.00 1.00 |
| 119: Joes----- | 75 | Not limited | | Not limited | | Not limited | |
| 120: Joes----- | 75 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 121: Kucera----- | 90 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 122: Kucera----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 122: Chausse----- | 25 | Very limited Too steep Gravel Large stones content | 1.00 0.98 0.01 | Very limited Too steep Gravel Large stones content | 1.00 0.98 0.01 | Very limited Gravel Slope Large stones content | 1.00 1.00 0.01 |
| Rexburg----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 123: La Roco----- | 85 | Very limited Flooding | 1.00 | Not limited | | Not limited | |
| 124: La Roco, saline----- | 85 | Somewhat limited Salinity | 0.50 | Somewhat limited Salinity | 0.50 | Somewhat limited Salinity | 0.50 |
| 125: Lag----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Dollarhide----- | 35 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.78 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.78 | Very limited Gravel Depth to bedrock Slope | 1.00 1.00 1.00 |
| Rock outcrop----- | 15 | Not rated | | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Dranyon----- | 25 | Very limited Too steep Slow water movement | 1.00 0.22 | Very limited Too steep Slow water movement | 1.00 0.22 | Very limited Slope Gravel Slow water movement | 1.00 0.78 0.22 |
| 127: Lago----- | 85 | Very limited Flooding Depth to saturated zone | 1.00 0.88 | Somewhat limited Depth to saturated zone | 0.56 | Somewhat limited Depth to saturated zone | 0.88 |
| 128: Lago----- | 65 | Very limited Flooding Depth to saturated zone | 1.00 0.88 | Somewhat limited Depth to saturated zone | 0.56 | Somewhat limited Depth to saturated zone | 0.88 |
| Bear Lake----- | 25 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.26 | Somewhat limited Depth to saturated zone Slow water movement | 0.96 0.26 | Very limited Depth to saturated zone Slow water movement | 1.00 0.26 |
| 129: Lago----- | 60 | Very limited Flooding Depth to saturated zone | 1.00 0.88 | Somewhat limited Depth to saturated zone | 0.56 | Somewhat limited Depth to saturated zone | 0.88 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 129: Merkley----- | 30 | Not limited | | Not limited | | Not limited | |
| 130: Lanoak----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 131: Lanoak----- | 85 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| 132: Lanoak----- | 85 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| 133: Lanoak----- | 90 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 134: Lanoak----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Arbone----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.44 |
| 135: Lanoak----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| Rexburg----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 136: Leftfork----- | 60 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Slope Slow water movement | 1.00 0.41 |
| Cleavage----- | 25 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Depth to bedrock Slope | 1.00 1.00 |
| 137: Lilcan----- | 60 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.99 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock | 1.00 0.10 |
| 138: Lilcan----- | 35 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.99 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 138: | | | | | | | |
| Watkins Ridge, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.38 | Gravel | 0.38 | Slope | 1.00 |
| Jacanyon----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.10 |
| 139: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Gravel | 1.00 | Gravel | 1.00 | Gravel | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| Kucera----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Sprollo----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.99 | Gravel | 0.99 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.16 |
| 140: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Gravel | 1.00 | Gravel | 1.00 | Gravel | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| Kucera, dry----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Sprollo, dry----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.99 | Gravel | 0.99 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.16 |
| 141: | | | | | | | |
| Lonjon----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Gravel | 1.00 | Gravel | 1.00 | Gravel | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| Monida----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.22 | Slow water | 0.22 | Gravel | 0.96 |
| | | movement | | movement | | Slow water | 0.22 |
| | | | | | | movement | |
| Chokecherry----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Gravel | 0.23 | Gravel | 0.23 | Slope | 1.00 |
| | | Large stones | 0.01 | Large stones | 0.01 | Large stones | 0.01 |
| | | content | | content | | content | |
| 142: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 142: | | | | | | | |
| Mumford----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| 143: | | | | | | | |
| Lonjon----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Gravel | 1.00 | Gravel | 1.00 | Gravel | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| Sheep Creek----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Gravel | 0.55 | Gravel | 0.55 | Gravel | 1.00 |
| | | | | | | Depth to bedrock | 0.01 |
| Dipcreek----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Gravel | 1.00 |
| 144: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| Sprollow----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.99 | Gravel | 0.99 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.16 |
| Mumford----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| 145: | | | | | | | |
| Marshdale----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Flooding | 1.00 | Slow water | 0.22 | Flooding | 0.60 |
| | | Slow water | 0.22 | movement | | Slow water | 0.22 |
| | | movement | | | | movement | |
| Bloomcreek----- | 30 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Flooding | 1.00 | Depth to | 0.56 | Depth to | 0.88 |
| | | Depth to | 0.88 | saturated zone | | saturated zone | |
| | | saturated zone | | | | Gravel | 0.22 |
| 146: | | | | | | | |
| Merkley----- | 85 | Not limited | | Not limited | | Not limited | |
| 147: | | | | | | | |
| Millerditch----- | 60 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Flooding | 1.00 | Depth to | 0.01 | Depth to | 0.01 |
| | | Depth to | 0.01 | saturated zone | | saturated zone | |
| | | saturated zone | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 147: Cookcan----- | 25 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.49 | Somewhat limited Depth to saturated zone Slow water movement | 0.98 0.49 | Very limited Depth to saturated zone Slow water movement | 1.00 0.49 |
| 148: Mumford----- | 90 | Very limited Gravel Depth to bedrock Slope | 1.00 1.00 0.16 | Very limited Gravel Depth to bedrock Slope | 1.00 1.00 0.16 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| 149: Mumford----- | 60 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| Sprollow----- | 25 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.16 |
| 150: Mumford----- | 60 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| Sprollow, dry----- | 25 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.16 |
| 151: Mumford----- | 65 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| Sprollow, dry----- | 25 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.16 |
| 152: Nielsen----- | 45 | Very limited Too steep Depth to bedrock Slow water movement Gravel | 1.00 1.00 0.22 0.01 | Very limited Too steep Depth to bedrock Slow water movement Gravel | 1.00 1.00 0.22 0.01 | Very limited Depth to bedrock Gravel Slope Slow water movement | 1.00 1.00 1.00 0.22 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| Hagenbarth----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 153: North Beach----- | 100 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Depth to | 0.88 | Large stones | 0.58 | Gravel | 1.00 |
| | | saturated zone | | content | | Depth to | 0.88 |
| | | Large stones | 0.58 | Depth to | 0.56 | saturated zone | |
| | | content | | saturated zone | | Large stones | 0.58 |
| | | Gravel | 0.45 | Gravel | 0.45 | content | |
| | | Too sandy | 0.41 | Too sandy | 0.41 | Slope | 0.50 |
| | | | | | | Too sandy | 0.41 |
| 154: Nuffer----- | 45 | Very limited | | Somewhat limited | | Very limited | |
| | | Flooding | 1.00 | Depth to | 0.19 | Gravel | 1.00 |
| | | Depth to | 0.39 | saturated zone | | Depth to | 0.39 |
| | | saturated zone | | Gravel | 0.16 | saturated zone | |
| | | Gravel | 0.16 | | | | |
| Blackotter----- | 35 | Very limited | | Somewhat limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 0.98 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Flooding | 1.00 | | | | |
| 155: Nythar----- | 75 | Very limited | | Very limited | | Very limited | |
| | | Depth to | 1.00 | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Flooding | 1.00 | Slow water | 0.22 | Slow water | 0.22 |
| | | Slow water | 0.22 | movement | | movement | |
| | | movement | | | | Slope | 0.12 |
| Sagollow----- | 15 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Depth to | 0.16 | Depth to | 0.08 | Depth to | 0.16 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | | | | | Slope | 0.12 |
| | | | | | | Gravel | 0.01 |
| 156: Ovidcreek----- | 75 | Very limited | | Very limited | | Very limited | |
| | | Sodium content | 1.00 | Sodium content | 1.00 | Sodium content | 1.00 |
| | | Slow water | 0.41 | Slow water | 0.41 | Slow water | 0.41 |
| | | movement | | movement | | movement | |
| 157: Parding----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Firading----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.01 |
| Hagenbarth----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 158: Parding, dry----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Firading, dry----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.01 | Gravel | 0.01 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | Picnic areas | Playgrounds | | | |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 158: Hagenbarth, dry----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 159: Pegram----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 160: Pinegap----- | 50 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Gravel Slope | 1.00 1.00 |
| Lonjon----- | 35 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.80 |
| 161: Pinehollow----- | 45 | Very limited Too steep Large stones content Slow water movement | 1.00 0.46 0.05 | Very limited Too steep Large stones content Slow water movement | 1.00 0.46 0.05 | Very limited Slope Depth to bedrock Large stones content Gravel Slow water movement | 1.00 0.80 0.46 0.16 0.05 |
| Ant Flat----- | 25 | Somewhat limited Slow water movement Slope | 0.41 0.16 | Somewhat limited Slow water movement Slope | 0.41 0.16 | Very limited Slope Gravel Slow water movement | 1.00 0.68 0.41 |
| Sheep Creek----- | 20 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 0.01 |
| 162: Pits, gravel----- | 100 | Not rated | | Not rated | | Not rated | |
| 163: Pontuge----- | 45 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Gravel Slow water movement | 1.00 0.78 0.26 |
| Cokeville----- | 40 | Very limited Too steep Gravel | 1.00 0.22 | Very limited Too steep Gravel | 1.00 0.22 | Very limited Gravel Slope | 1.00 1.00 |
| 164: Preussrange----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel Depth to bedrock | 1.00 0.99 0.84 |
| Halfcircle----- | 35 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | Value | Picnic areas | Value | Playgrounds | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 165: Prucree----- | 50 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 | Very limited Slope Depth to bedrock Gravel | 1.00 0.65 0.44 |
| Dipcreek----- | 30 | Very limited Depth to bedrock Slope Gravel | 1.00 0.63 0.01 | Very limited Depth to bedrock Slope Gravel | 1.00 0.63 0.01 | Very limited Depth to bedrock Gravel Slope | 1.00 1.00 1.00 |
| 166: Raynal----- | 90 | Very limited Flooding | 1.00 | Not limited | | Not limited | |
| 167: Raynal----- | 60 | Very limited Flooding | 1.00 | Not limited | | Not limited | |
| Lago----- | 30 | Very limited Flooding Depth to saturated zone | 1.00 0.88 | Somewhat limited Depth to saturated zone | 0.56 | Somewhat limited Depth to saturated zone | 0.88 |
| 168: Ream----- | 55 | Not limited | | Not limited | | Not limited | |
| Merkley----- | 30 | Not limited | | Not limited | | Not limited | |
| 169: Redpine----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock Gravel | 1.00 0.80 0.68 |
| Draney----- | 25 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.03 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.03 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |
| Brushtop----- | 15 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement Gravel | 1.00 0.26 0.01 |
| 170: Rexburg----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 171: Rexburg----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| Iphil----- | 25 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 172: Rexburg----- | 50 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| Iphil----- | 25 | Not limited | | Not limited | | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | Value | Picnic areas | Value | Playgrounds | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 173: Rexburg----- | 65 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| Kucera----- | 25 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 174: Rexburg----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Kucera----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 175: Rexburg----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Kucera----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 176: Rexburg----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| Ririe----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 177: Rexburg----- | 50 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| Ririe----- | 25 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| 178: Rexburg----- | 50 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| Ririe----- | 30 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| 179: Rexburg----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Watercanyon----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 180: Rexburg----- | 50 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| Wursten----- | 40 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| 181: Richollow----- | 70 | Very limited Gravel Too steep Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Too steep Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Depth to bedrock Slope | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|----------------------------------|--|----------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 181: Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |
| 182: Richollow----- | 55 | Very limited Gravel Too steep Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Too steep Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Depth to bedrock Slope | 1.00 1.00 1.00 |
| Ledgehollow----- | 30 | Very limited Too steep Depth to bedrock Dusty Gravel | 1.00 1.00 0.50 0.01 | Very limited Too steep Depth to bedrock Dusty Gravel | 1.00 1.00 0.50 0.01 | Very limited Depth to bedrock Slope Gravel Dusty | 1.00 1.00 1.00 0.50 |
| 183: Ririe----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| Iphil----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 184: Sadducee----- | 55 | Very limited Depth to saturated zone Too sandy | 1.00 0.72 | Very limited Depth to saturated zone Too sandy | 1.00 0.72 | Very limited Depth to saturated zone Too sandy | 1.00 0.72 |
| Bearbeach----- | 45 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 185: Sheep Creek, dry----- | 40 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Too steep Gravel | 1.00 0.55 | Very limited Slope Gravel Depth to bedrock | 1.00 1.00 0.01 |
| Taylow, dry----- | 25 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Slope Depth to bedrock | 1.00 1.00 |
| Dry Canyon, dry----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 186: Sights----- | 65 | Very limited Too steep Slow water movement | 1.00 0.98 | Very limited Too steep Slow water movement | 1.00 0.98 | Very limited Slope Slow water movement Gravel | 1.00 0.98 0.01 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Too steep Slow water movement | 1.00 0.26 | Very limited Slope Slow water movement | 1.00 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 187: Springhollow----- | 45 | Somewhat limited Depth to cement pan Gravel | 0.06 0.01 | Somewhat limited Depth to cement pan Gravel | 0.06 0.01 | Very limited Gravel Slope Depth to bedrock Depth to cement pan | 1.00 1.00 0.06 0.06 |
| Arbone----- | 40 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope Gravel | 1.00 0.44 |
| 188: Springhollow, dry----- | 45 | Somewhat limited Depth to cement pan Gravel Slope | 0.06 0.01 0.01 | Somewhat limited Depth to cement pan Gravel Slope | 0.06 0.01 0.01 | Very limited Gravel Slope Depth to bedrock Depth to cement pan | 1.00 1.00 0.06 0.06 |
| Arbone, dry----- | 40 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope Gravel | 1.00 0.44 |
| 189: Sprollow----- | 55 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.16 |
| Lonjon----- | 25 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.80 |
| 190: Sprollow, dry----- | 55 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.16 |
| Lonjon----- | 25 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.80 |
| 191: Sprollow----- | 35 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Too steep Gravel | 1.00 0.99 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.16 |
| Lonjon----- | 30 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.80 |
| Mumford----- | 25 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 192: | | | | | | | |
| Sprollo, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 0.99 | Gravel | 0.99 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.16 |
| Lonjon----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| Mumford----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Gravel | 1.00 | Gravel | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| 193: | | | | | | | |
| Sprollo----- | 40 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Gravel | 0.99 | Gravel | 0.99 | Gravel | 1.00 |
| | | Slope | 0.96 | Slope | 0.96 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.16 |
| Wursten----- | 25 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.96 | Slope | 0.96 | Slope | 1.00 |
| Lonjon----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Gravel | 1.00 | Gravel | 1.00 | Gravel | 1.00 |
| | | Slope | 0.96 | Slope | 0.96 | Slope | 1.00 |
| | | | | | | Depth to bedrock | 0.80 |
| 194: | | | | | | | |
| Streek----- | 50 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.39 | Slow water | 0.39 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.39 |
| | | Slope | 0.16 | Slope | 0.16 | movement | |
| | | | | | | Gravel | 0.01 |
| Cleavage----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 | Depth to bedrock | 1.00 |
| 195: | | | | | | | |
| Streek, moist----- | 40 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.39 | Slow water | 0.39 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.39 |
| | | Slope | 0.16 | Slope | 0.16 | movement | |
| | | | | | | Gravel | 0.01 |
| Streek----- | 25 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.39 | Slow water | 0.39 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.39 |
| | | Slope | 0.16 | Slope | 0.16 | movement | |
| | | | | | | Gravel | 0.01 |
| Swanpeak----- | 25 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.41 | Slow water | 0.41 | Slope | 1.00 |
| | | movement | | movement | | Gravel | 0.54 |
| | | Slope | 0.16 | Slope | 0.16 | Slow water | 0.41 |
| | | | | | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 196: | | | | | | | |
| Streek----- | 45 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.39 | Slow water | 0.39 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.39 |
| | | Slope | 0.16 | Slope | 0.16 | movement | |
| | | | | | | Gravel | 0.01 |
| Swanpeak----- | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.41 | Slow water | 0.41 | Slope | 1.00 |
| | | movement | | movement | | Gravel | 0.54 |
| | | Slope | 0.16 | Slope | 0.16 | Slow water | 0.41 |
| | | | | | | movement | |
| 197: | | | | | | | |
| Streek----- | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.39 | Slow water | 0.39 | Slope | 1.00 |
| | | movement | | movement | | Slow water | 0.39 |
| | | Slope | 0.01 | Slope | 0.01 | movement | |
| | | | | | | Gravel | 0.01 |
| Swanpeak----- | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.41 | Slow water | 0.41 | Slope | 1.00 |
| | | movement | | movement | | Gravel | 0.54 |
| | | Slope | 0.01 | Slope | 0.01 | Slow water | 0.41 |
| | | | | | | movement | |
| Sagollow----- | 25 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Depth to | 0.16 | Depth to | 0.08 | Slope | 1.00 |
| | | saturated zone | | saturated zone | | Depth to | 0.16 |
| | | | | | | saturated zone | |
| | | | | | | Gravel | 0.01 |
| 198: | | | | | | | |
| Suryon----- | 90 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| 199: | | | | | | | |
| Swan Flat----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Dusty | 0.50 | Dusty | 0.50 | Dusty | 0.50 |
| Dranburn----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Slow water | 0.26 | Slow water | 0.26 | Slow water | 0.26 |
| | | movement | | movement | | movement | |
| 200: | | | | | | | |
| Swanpeak----- | 85 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.41 | Slow water | 0.41 | Slope | 1.00 |
| | | movement | | movement | | Gravel | 0.54 |
| | | Slope | 0.04 | Slope | 0.04 | Slow water | 0.41 |
| | | | | | | movement | |
| 201: | | | | | | | |
| Swanpeak----- | 60 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slow water | 0.41 | Slow water | 0.41 | Slope | 1.00 |
| | | movement | | movement | | Gravel | 0.54 |
| | | Slope | 0.37 | Slope | 0.37 | Slow water | 0.41 |
| | | | | | | movement | |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|---|--------------|---|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 201: Ant Flat----- | 25 | Somewhat limited Slow water movement Slope | 0.41 0.37 | Somewhat limited Slow water movement Slope | 0.41 0.37 | Very limited Slope Gravel Slow water movement | 1.00 0.68 0.41 |
| 202: Swanpeak----- | 50 | Somewhat limited Slow water movement Slope | 0.41 0.16 | Somewhat limited Slow water movement Slope | 0.41 0.16 | Very limited Slope Gravel Slow water movement | 1.00 0.54 0.41 |
| Cloudless----- | 30 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| 203: Swanpeak----- | 70 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Slope Gravel Slow water movement | 1.00 0.54 0.41 |
| Dutchcanyon----- | 20 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Gravel Slope | 1.00 1.00 |
| 204: Swanpeak----- | 45 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Slope Gravel Slow water movement | 1.00 0.54 0.41 |
| Dutchcanyon----- | 30 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Gravel Slope | 1.00 1.00 |
| Ant Flat----- | 25 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Too steep Slow water movement | 1.00 0.41 | Very limited Slope Gravel Slow water movement | 1.00 0.68 0.41 |
| 205: Thatcher----- | 85 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 206: Thatcher, dry----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.88 |
| 207: Thatcher----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Church Springs----- | 40 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| 208: Thatcher----- | 80 | Somewhat limited Slope | 0.84 | Somewhat limited Slope | 0.84 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 208: Clegg----- | 20 | Somewhat limited Slope | 0.84 | Somewhat limited Slope | 0.84 | Very limited Slope | 1.00 |
| 209: Thatcher----- | 60 | Not limited | | Not limited | | Not limited | |
| Joes----- | 25 | Not limited | | Not limited | | Not limited | |
| 210: Thatcherflats----- | 75 | Very limited Sodium content Slow water movement | 1.00 0.45 | Very limited Sodium content Slow water movement | 1.00 0.45 | Very limited Sodium content Slow water movement | 1.00 0.45 |
| 211: Thomasfork----- | 95 | Very limited Depth to saturated zone Flooding Slow water movement | 1.00 1.00 0.41 | Somewhat limited Depth to saturated zone Slow water movement | 0.90 0.41 | Very limited Depth to saturated zone Slow water movement | 1.00 0.41 |
| 212: Toponce----- | 50 | Very limited Too steep Slow water movement | 1.00 0.96 | Very limited Too steep Slow water movement | 1.00 0.96 | Very limited Slope Slow water movement | 1.00 0.96 |
| Bailcreek----- | 40 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slow water movement Slope | 1.00 1.00 |
| 213: Tubbs Hollow----- | 50 | Very limited Too steep Dusty Gravel | 1.00 0.50 0.20 | Very limited Too steep Dusty Gravel | 1.00 0.50 0.20 | Very limited Slope Gravel Depth to bedrock Dusty | 1.00 1.00 0.84 0.50 |
| Dry Canyon, dry----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 214: Vicking----- | 85 | Not limited | | Not limited | | Somewhat limited Gravel Slope | 0.56 0.12 |
| 215: Vicking----- | 85 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope Gravel | 1.00 0.56 |
| 216: Vicking----- | 85 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.56 |
| 217: Vicking, dry----- | 85 | Not limited | | Not limited | | Very limited Slope Gravel | 1.00 0.56 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | Value | Picnic areas | Value | Playgrounds | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 218: Vicking, dry----- | 85 | Somewhat limited Slope | 0.96 | Somewhat limited Slope | 0.96 | Very limited Slope Gravel | 1.00 0.56 |
| 219: Vicking----- | 55 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Gravel | 1.00 0.56 |
| Cokeville----- | 35 | Very limited Too steep Gravel | 1.00 0.22 | Very limited Too steep Gravel | 1.00 0.22 | Very limited Gravel Slope | 1.00 1.00 |
| 220: Vipont----- | 55 | Very limited Too steep Large stones content | 1.00 0.99 | Very limited Too steep Large stones content | 1.00 0.99 | Very limited Slope Large stones content Depth to bedrock | 1.00 0.99 0.99 |
| Dipcreek----- | 30 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.01 | Very limited Too steep Depth to bedrock Gravel | 1.00 1.00 0.01 | Very limited Slope Depth to bedrock Gravel | 1.00 1.00 1.00 |
| 221: Vipont----- | 50 | Very limited Too steep Large stones content | 1.00 0.99 | Very limited Too steep Large stones content | 1.00 0.99 | Very limited Slope Large stones content Depth to bedrock | 1.00 0.99 0.99 |
| Prucree----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope Depth to bedrock Gravel | 1.00 0.65 0.44 |
| 222: Vipont----- | 55 | Very limited Too steep Large stones content | 1.00 0.99 | Very limited Too steep Large stones content | 1.00 0.99 | Very limited Slope Large stones content Depth to bedrock | 1.00 0.99 0.99 |
| Suryon----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 223: Warshod----- | 45 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Gravel Slope | 1.00 1.00 |
| Slan----- | 35 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.29 |
| 224: Warshod, dry----- | 55 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Too steep Gravel | 1.00 0.03 | Very limited Gravel Slope | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Camp Areas, Picnic Areas, and Playgrounds--Continued

| Map symbol and soil name | Pct. of map unit | Camp areas | | Picnic areas | | Playgrounds | |
|-----------------------------------|---------------------------|---------------------------------------|------------------|---------------------------------------|------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 224: Slan, dry----- | 35 | Very limited Gravel Too steep | 1.00 1.00 | Very limited Gravel Too steep | 1.00 1.00 | Very limited Gravel Slope Depth to bedrock | 1.00 1.00 0.29 |
| 225: Water----- | 100 | Not rated | | Not rated | | Not rated | |
| 226: Water, miscellaneous----- | 100 | Not rated | | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Somewhat limited Gravel Slope | 0.38 0.01 | Somewhat limited Gravel Slope | 0.38 0.01 | Very limited Gravel Slope | 1.00 1.00 |
| 228: Wursten----- | 75 | Not limited | | Not limited | | Somewhat limited Slope | 0.12 |
| 229: Wursten----- | 80 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| 230: Wursten----- | 80 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 231: Wursten, dry----- | 85 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| 232: Wursten----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Bearhollow----- | 30 | Very limited Too steep Gravel | 1.00 0.61 | Very limited Too steep Gravel | 1.00 0.61 | Very limited Gravel Slope | 1.00 1.00 |
| 233: Wursten----- | 55 | Somewhat limited Slope | 0.04 | Somewhat limited Slope | 0.04 | Very limited Slope | 1.00 |
| Rexburg----- | 30 | Somewhat limited Slope | 0.04 | Somewhat limited Slope | 0.04 | Very limited Slope | 1.00 |
| 234: Wursten----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Rexburg----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 235: Wursten, dry----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Rexburg, dry----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils

(See "Soil Properties" for definitions of terms used in this table. Absence of an entry indicates that data were not estimated.)

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-----------|---------------------------------|------------------|---------------------------|-----------------|-------------------------------|
| | <i>In</i> | <i>meq/100 g</i> | <i>pH</i> | <i>Pct</i> | <i>mmhos/cm</i> | |
| 1: | | | | | | |
| Ant Flat----- | 0-2 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-5 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-9 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-25 | 25-45 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-38 | 20-30 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | 20-30 | 7.8-8.4 | 15-35 | 0 | 0 |
| 2: | | | | | | |
| Ant Flat----- | 0-2 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-5 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-9 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-25 | 25-45 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-38 | 20-30 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | 20-30 | 7.8-8.4 | 15-35 | 0 | 0 |
| 3: | | | | | | |
| Ant Flat----- | 0-2 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-5 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-9 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-25 | 25-45 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-38 | 20-30 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | 20-30 | 7.8-8.4 | 15-35 | 0 | 0 |
| 4: | | | | | | |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 5: | | | | | | |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 6: | | | | | | |
| Arbone, dry----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 7: | | | | | | |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 8: | | | | | | |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 9: | | | | | | |
| Arbone, dry----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| Wursten, dry----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 10: | | | | | | |
| Bailcreek----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-6 | 11-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-14 | 10-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 14-19 | 25-40 | 6.1-7.3 | 0 | 0 | 0 |
| | 19-32 | 24-45 | 6.1-7.3 | 0 | 0 | 0 |
| | 32-43 | 24-45 | 6.1-7.3 | 0 | 0 | 0 |
| | 43-60 | 24-45 | 7.6-8.1 | 5-15 | 0 | 0 |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 11: | | | | | | |
| Bailcreek----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-6 | 11-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-14 | 10-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 14-19 | 25-40 | 6.1-7.3 | 0 | 0 | 0 |
| | 19-32 | 24-45 | 6.1-7.3 | 0 | 0 | 0 |
| | 32-43 | 24-45 | 6.1-7.3 | 0 | 0 | 0 |
| | 43-60 | 24-45 | 7.6-8.1 | 5-15 | 0 | 0 |
| Toponce----- | 0-3 | 15-25 | 6.1-6.5 | 0 | 0 | 0 |
| | 3-20 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |
| | 20-24 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |
| | 24-36 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |
| | 36-60 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 12: Bancroft----- | 0-4 | 10-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 4-12 | 10-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 12-18 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 18-32 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 32-39 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 39-46 | 4.0-20 | 8.0-8.4 | 15-30 | 2.0-4.0 | 0-2 |
| | 46-60 | 4.0-20 | 8.0-8.5 | 15-30 | 2.0-4.0 | 0-2 |
| 13: Bancroft----- | 0-4 | 10-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 4-12 | 10-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 12-18 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 18-32 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 32-39 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 39-46 | 4.0-20 | 8.0-8.4 | 15-30 | 2.0-4.0 | 0-2 |
| | 46-60 | 4.0-20 | 8.0-8.5 | 15-30 | 2.0-4.0 | 0-2 |
| 14: Bancroft----- | 0-4 | 10-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 4-12 | 10-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 12-18 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 18-32 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 32-39 | 8.0-20 | 6.4-7.6 | 0 | 0.0-2.0 | 0 |
| | 39-46 | 4.0-20 | 8.0-8.4 | 15-30 | 2.0-4.0 | 0-2 |
| | 46-60 | 4.0-20 | 8.0-8.5 | 15-30 | 2.0-4.0 | 0-2 |
| 15: Bear Lake----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-10 | 15-30 | 7.9-8.4 | 10-40 | 0.0-2.0 | 0-5 |
| | 10-22 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 22-37 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 37-46 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 46-58 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 58-63 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| Bear Lake, ponded---- | 0-2 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 2-10 | 15-30 | 7.9-8.4 | 10-40 | 0.0-2.0 | 0-5 |
| | 10-22 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 22-37 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 37-46 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 46-58 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 58-63 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| 16: Bear Lake----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-10 | 15-30 | 7.9-8.4 | 10-40 | 0.0-2.0 | 0-5 |
| | 10-22 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 22-37 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 37-46 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 46-58 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 58-63 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| Chesbrook----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-13 | 13-25 | 8.0-9.0 | 25-40 | 0.0-2.0 | 0-3 |
| | 13-20 | 13-25 | 8.0-9.0 | 25-40 | 0.0-2.0 | 0-3 |
| | 20-31 | 9.0-25 | 8.0-8.8 | 40-75 | 0.0-2.0 | 0-3 |
| | 31-36 | 9.0-25 | 8.0-8.8 | 40-75 | 0.0-2.0 | 0-3 |
| | 36-48 | 9.0-25 | 8.0-8.8 | 40-75 | 0.0-2.0 | 0-3 |
| | 48-56 | 7.0-20 | 7.9-8.8 | 25-40 | 0.0-2.0 | 0-3 |
| | 56-62 | 7.0-20 | 7.9-8.8 | 20-40 | 0.0-2.0 | 0-3 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 16: | | | | | | |
| La Roco----- | 0-2 | 21-33 | 7.9-8.4 | 15-40 | 1.0-2.0 | 1-5 |
| | 2-11 | 21-33 | 7.9-8.4 | 20-40 | 1.0-2.0 | 1-5 |
| | 11-20 | 12-25 | 8.0-8.8 | 40-60 | 1.0-2.0 | 1-5 |
| | 20-26 | 12-22 | 8.0-8.8 | 40-60 | 0.5-1.0 | 1-5 |
| | 26-34 | 10-19 | 8.0-8.8 | 40-60 | 0.5-1.0 | 1-5 |
| | 34-42 | 10-17 | 7.9-8.8 | 40-60 | 0.0-1.0 | 1-5 |
| | 42-49 | 5.0-7.0 | 7.6-8.4 | 1-15 | 0.0-0.5 | 1-5 |
| | 49-59 | 5.0-7.0 | 7.6-8.4 | 1-15 | 0.0-0.5 | 1-5 |
| | 59-62 | 2.0-5.0 | 7.6-8.4 | 1-10 | 0.0-0.5 | 1-5 |
| 17: | | | | | | |
| Bear Lake----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-10 | 15-30 | 7.9-8.4 | 10-40 | 0.0-2.0 | 0-5 |
| | 10-22 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 22-37 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 37-46 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 46-58 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 58-63 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| Lago----- | 0-8 | 15-25 | 7.8-8.4 | 15-30 | 0 | 0-5 |
| | 8-13 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 13-19 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 19-29 | 15-30 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 29-38 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 38-45 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 45-55 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 55-60 | 4.0-15 | 7.9-8.6 | 5-25 | 0 | 0-5 |
| 18: | | | | | | |
| Bearbou----- | 0-3 | 16-28 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-9 | 23-41 | 6.6-7.6 | 0 | 0 | 0 |
| | 9-22 | 18-28 | 6.6-7.6 | 0 | 0 | 0 |
| | 22-28 | 14-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 28-36 | 6.0-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 36-60 | 4.0-14 | 7.2-7.8 | 0 | 0 | 0 |
| 19: | | | | | | |
| Bearhollow----- | 0-6 | 7.0-15 | 7.9-8.4 | 25-40 | 0 | 0-8 |
| | 6-11 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 11-20 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 20-24 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 24-33 | 3.0-12 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 33-44 | 1.0-6.0 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 44-62 | 11-20 | 7.9-8.6 | 5-20 | 2.0-4.0 | 0-10 |
| Brifox----- | 0-8 | 25-35 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 8-15 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 15-21 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 21-32 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 32-40 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 40-60 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 20: | | | | | | |
| Bearhollow----- | 0-6 | 7.0-15 | 7.9-8.4 | 25-40 | 0 | 0-8 |
| | 6-11 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 11-20 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 20-24 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 24-33 | 3.0-12 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 33-44 | 1.0-6.0 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 44-62 | 11-20 | 7.9-8.6 | 5-20 | 2.0-4.0 | 0-10 |
| Brifox----- | 0-8 | 25-35 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 8-15 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 15-21 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 21-32 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 32-40 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 40-60 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| 21: | | | | | | |
| Benning----- | 0-7 | 12-20 | 7.8-8.4 | 5-15 | 0.0-2.0 | 0-5 |
| | 7-18 | 12-20 | 7.8-8.4 | 5-15 | 0.0-2.0 | 0-5 |
| | 18-28 | 14-25 | 7.9-8.4 | 5-15 | 0.0-2.0 | 0-5 |
| | 28-37 | 14-25 | 7.9-8.4 | 5-15 | 0.0-2.0 | 0-5 |
| | 37-49 | 9.0-15 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0-5 |
| | 49-60 | 9.0-15 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0-5 |
| 22: | | | | | | |
| Bern----- | 0-9 | 10-25 | 7.6-8.4 | 2-10 | 0.0-2.0 | 0-8 |
| | 9-16 | 10-25 | 7.8-8.4 | 3-15 | 0.0-2.0 | 0-8 |
| | 16-26 | 10-20 | 7.9-8.6 | 15-30 | 2.0-4.0 | 5-13 |
| | 26-34 | 10-20 | 7.9-9.0 | 15-45 | 2.0-4.0 | 5-13 |
| | 34-47 | 10-20 | 7.9-9.0 | 15-45 | 2.0-4.0 | 5-13 |
| | 47-55 | 2.0-12 | 7.9-9.0 | 3-15 | 2.0-4.0 | 5-13 |
| | 55-65 | 2.0-12 | 7.9-9.0 | 3-15 | 2.0-4.0 | 5-13 |
| 23: | | | | | | |
| Bezzant----- | 0-5 | 10-25 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 5-10 | 10-25 | 7.8-8.4 | 5-15 | 0 | 0 |
| | 10-24 | 10-25 | 7.9-8.4 | 15-35 | 0 | 0 |
| | 24-37 | 10-25 | 7.9-8.4 | 15-35 | 0 | 0 |
| | 37-60 | 10-15 | 7.9-8.4 | 15-35 | 0 | 0 |
| 24: | | | | | | |
| Bezzant----- | 0-5 | 10-25 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 5-10 | 10-25 | 7.8-8.4 | 5-15 | 0 | 0 |
| | 10-24 | 10-25 | 7.9-8.4 | 15-35 | 0 | 0 |
| | 24-37 | 10-25 | 7.9-8.4 | 15-35 | 0 | 0 |
| | 37-60 | 10-15 | 7.9-8.4 | 15-35 | 0 | 0 |
| Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 25: | | | | | | |
| Bischoff----- | 0-4 | 10-20 | 7.0-7.5 | 0 | 0 | 0 |
| | 4-16 | 10-20 | 7.0-7.5 | 0 | 0 | 0 |
| | 16-29 | 10-20 | 7.0-7.6 | 0 | 0.0-2.0 | 0 |
| | 29-47 | 13-20 | 7.0-7.6 | 0 | 0.0-2.0 | 0 |
| | 47-61 | 18-25 | 7.0-7.6 | 0 | 0.0-2.0 | 0 |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |
| 26: | | | | | | |
| Bloomington----- | 0-3 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 3-10 | 17-30 | 7.0-7.8 | 2-10 | 0 | 0-1 |
| | 10-21 | 17-30 | 7.4-7.8 | 2-15 | 0 | 0-1 |
| | 21-32 | 17-30 | 7.6-8.4 | 10-25 | 0 | 0-1 |
| | 32-42 | 17-30 | 7.8-8.4 | 15-30 | 0 | 0-1 |
| | 42-48 | 15-28 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 48-60 | 15-28 | 7.8-8.4 | 15-30 | 0 | 0 |
| 27: | | | | | | |
| Boundridge----- | 0-2 | 10-15 | 7.2-7.8 | 0-5 | 0 | 0 |
| | 2-7 | 8.0-14 | 7.6-8.4 | 0-5 | 0 | 0 |
| | 7-14 | 8.0-14 | 7.6-8.4 | 2-10 | 0 | 0 |
| | 14-21 | — | — | — | — | — |
| | 21-60 | 4.0-12 | 8.2-9.0 | 15-40 | 0.0-4.0 | 0-2 |
| Sweetcreek----- | 0-2 | 15-25 | 6.6-7.8 | 0-10 | 0 | 0 |
| | 2-11 | 15-25 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 11-18 | 20-25 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 18-24 | 20-30 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 24-39 | 15-25 | 7.9-8.6 | 15-40 | 0 | 0 |
| | 39-60 | — | — | — | — | — |
| 28: | | | | | | |
| Boyd hollow----- | 0-3 | 9.0-19 | 6.3-7.3 | 0 | 0 | 0 |
| | 3-11 | 8.0-18 | 6.3-7.3 | 0 | 0 | 0 |
| | 11-19 | 8.0-17 | 6.3-7.3 | 0 | 0 | 0 |
| | 19-41 | 6.0-13 | 6.3-7.3 | 0 | 0 | 0 |
| | 41-57 | 3.0-7.0 | 7.8-8.4 | 7-25 | 0 | 0 |
| | 57-65 | 3.0-7.0 | 7.8-8.4 | 7-25 | 0 | 0 |
| Slan----- | 0-2 | 5.0-15 | 7.6-8.4 | 5-10 | 0 | 0 |
| | 2-5 | 5.0-15 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 5-18 | 15-20 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 18-25 | 15-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 25-32 | 5.0-15 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 32-60 | — | — | — | — | — |
| Cokeville----- | 0-2 | 10-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 2-5 | 15-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 5-9 | 20-25 | 7.4-8.2 | 0-5 | 0 | 0 |
| | 9-15 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 15-31 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 31-43 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 43-56 | 25-30 | 7.9-8.4 | 20-40 | 0 | 0 |
| | 56-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 29: | | | | | | |
| Brifox----- | 0-8 | 25-35 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 8-15 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 15-21 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 21-32 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 32-40 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 40-60 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| Lizdale----- | 0-3 | 7.0-15 | 7.8-8.4 | 12-20 | 0 | 0 |
| | 3-11 | 7.0-15 | 7.8-8.4 | 12-20 | 0 | 0 |
| | 11-19 | 6.0-15 | 7.9-8.5 | 30-60 | 0 | 0 |
| | 19-26 | 2.0-5.0 | 7.9-8.6 | 30-60 | 0 | 0 |
| | 26-40 | 2.0-5.0 | 7.9-8.6 | 40-60 | 0 | 0 |
| | 40-60 | 1.0-4.0 | 7.9-8.4 | 30-50 | 0 | 0 |
| 30: | | | | | | |
| Brifox----- | 0-8 | 25-35 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 8-15 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 15-21 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 21-32 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 32-40 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 40-60 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| Niter----- | 0-4 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 4-8 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 8-12 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 12-19 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 19-30 | 30-45 | 7.8-8.4 | 20-25 | 0.0-2.0 | 0-5 |
| | 30-40 | 30-45 | 7.8-8.4 | 20-25 | 0.0-2.0 | 0-5 |
| | 40-60 | 30-45 | 7.8-8.4 | 20-25 | 0.0-2.0 | 0-5 |
| 31: | | | | | | |
| Brifox----- | 0-8 | 25-35 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 8-15 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 15-21 | 25-40 | 7.8-8.4 | 10-20 | 0.0-4.0 | 0-5 |
| | 21-32 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 32-40 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| | 40-60 | 30-40 | 7.8-8.4 | 20-35 | 0.0-4.0 | 0-5 |
| Niter----- | 0-4 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 4-8 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 8-12 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 12-19 | 25-35 | 7.8-8.4 | 10-20 | 0 | 0 |
| | 19-30 | 30-45 | 7.8-8.4 | 20-25 | 0.0-2.0 | 0-5 |
| | 30-40 | 30-45 | 7.8-8.4 | 20-25 | 0.0-2.0 | 0-5 |
| | 40-60 | 30-45 | 7.8-8.4 | 20-25 | 0.0-2.0 | 0-5 |
| 32: | | | | | | |
| Broadhead----- | 0-4 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-14 | 15-30 | 6.6-7.3 | 0 | 0 | 0 |
| | 14-21 | 15-40 | 6.6-7.3 | 0 | 0 | 0 |
| | 21-43 | 15-40 | 6.6-7.6 | 0 | 0 | 0 |
| | 43-61 | 12-25 | 7.6-8.4 | 1-10 | 0 | 0 |
| 33: | | | | | | |
| Broadhead----- | 0-4 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-14 | 15-30 | 6.6-7.3 | 0 | 0 | 0 |
| | 14-21 | 15-40 | 6.6-7.3 | 0 | 0 | 0 |
| | 21-43 | 15-40 | 6.6-7.6 | 0 | 0 | 0 |
| | 43-61 | 12-25 | 7.6-8.4 | 1-10 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 34: | | | | | | |
| Broadhead----- | 0-4 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-14 | 15-30 | 6.6-7.3 | 0 | 0 | 0 |
| | 14-21 | 15-40 | 6.6-7.3 | 0 | 0 | 0 |
| | 21-43 | 15-40 | 6.6-7.6 | 0 | 0 | 0 |
| | 43-61 | 12-25 | 7.6-8.4 | 1-10 | 0 | 0 |
| Hades----- | 0-6 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-12 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 12-20 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 20-61 | 10-25 | 6.1-7.4 | 0-1 | 0 | 0 |
| Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| 35: | | | | | | |
| Buist----- | 0-2 | 9.0-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-17 | 7.0-20 | 7.0-7.8 | 0 | 0.0-2.0 | 0 |
| | 17-23 | 1.0-7.0 | 7.8-8.4 | 5-25 | 2.0-4.0 | 0-5 |
| | 23-33 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 33-37 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 37-61 | 1.0-7.0 | 7.9-8.4 | 10-35 | 2.0-4.0 | 0-5 |
| 36: | | | | | | |
| Buist----- | 0-2 | 9.0-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-17 | 7.0-20 | 7.0-7.8 | 0 | 0.0-2.0 | 0 |
| | 17-23 | 1.0-7.0 | 7.8-8.4 | 5-25 | 2.0-4.0 | 0-5 |
| | 23-33 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 33-37 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 37-61 | 1.0-7.0 | 7.9-8.4 | 10-35 | 2.0-4.0 | 0-5 |
| 37: | | | | | | |
| Buist, dry----- | 0-2 | 9.0-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-17 | 7.0-20 | 7.0-7.8 | 0 | 0.0-2.0 | 0 |
| | 17-23 | 1.0-7.0 | 7.8-8.4 | 5-25 | 2.0-4.0 | 0-5 |
| | 23-33 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 33-37 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 37-61 | 1.0-7.0 | 7.9-8.4 | 10-35 | 2.0-4.0 | 0-5 |
| 38: | | | | | | |
| Buist----- | 0-2 | 9.0-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-17 | 7.0-20 | 7.0-7.8 | 0 | 0.0-2.0 | 0 |
| | 17-23 | 1.0-7.0 | 7.8-8.4 | 5-25 | 2.0-4.0 | 0-5 |
| | 23-33 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 33-37 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 37-61 | 1.0-7.0 | 7.9-8.4 | 10-35 | 2.0-4.0 | 0-5 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 39: | | | | | | |
| Buist----- | 0-2 | 9.0-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-17 | 7.0-20 | 7.0-7.8 | 0 | 0.0-2.0 | 0 |
| | 17-23 | 1.0-7.0 | 7.8-8.4 | 5-25 | 2.0-4.0 | 0-5 |
| | 23-33 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 33-37 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 37-61 | 1.0-7.0 | 7.9-8.4 | 10-35 | 2.0-4.0 | 0-5 |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 40: | | | | | | |
| Burchert----- | 0-3 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-9 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-14 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 14-22 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 22-30 | 17-21 | 7.5-8.4 | 5-15 | 0 | 0 |
| | 30-60 | — | — | — | — | — |
| Whitetop----- | 0-4 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 4-16 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-60 | — | — | — | — | — |
| 41: | | | | | | |
| Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| 42: | | | | | | |
| Cedarhill, dry----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| 43: | | | | | | |
| Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| Bearhollow----- | 0-6 | 7.0-15 | 7.9-8.4 | 25-40 | 0 | 0-8 |
| | 6-11 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 11-20 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 20-24 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 24-33 | 3.0-12 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 33-44 | 1.0-6.0 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 44-62 | 11-20 | 7.9-8.6 | 5-20 | 2.0-4.0 | 0-10 |
| 44: | | | | | | |
| Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 44: Buist----- | 0-2 | 9.0-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-17 | 7.0-20 | 7.0-7.8 | 0 | 0.0-2.0 | 0 |
| | 17-23 | 1.0-7.0 | 7.8-8.4 | 5-25 | 2.0-4.0 | 0-5 |
| | 23-33 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 33-37 | 1.0-7.0 | 7.9-8.4 | 15-40 | 2.0-4.0 | 0-5 |
| | 37-61 | 1.0-7.0 | 7.9-8.4 | 10-35 | 2.0-4.0 | 0-5 |
| 45: Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| Burchert----- | 0-3 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-9 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-14 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 14-22 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 22-30 | 17-21 | 7.5-8.4 | 5-15 | 0 | 0 |
| | 30-60 | — | — | — | — | — |
| 46: Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| 47: Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| Drage----- | 0-4 | 14-19 | 6.4-6.8 | 0 | 0 | 0 |
| | 4-10 | 14-19 | 6.4-6.8 | 0 | 0 | 0 |
| | 10-22 | 21-27 | 6.6-7.2 | 0 | 0 | 0 |
| | 22-38 | 21-27 | 6.6-7.2 | 0 | 0 | 0 |
| | 38-60 | 12-18 | 7.6-8.4 | 3-15 | 0 | 0 |
| 48: Cedarhill, dry----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 48: Pinehollow, dry----- | 0-2 | 18-24 | 5.9-7.0 | 0 | 0 | 0 |
| | 2-7 | 18-24 | 5.9-7.0 | 0 | 0 | 0 |
| | 7-16 | 15-24 | 6.1-7.0 | 0 | 0 | 0 |
| | 16-22 | 15-24 | 6.1-7.2 | 0 | 0 | 0 |
| | 22-26 | 13-20 | 7.8-8.2 | 3-15 | 0 | 0 |
| | 26-60 | — | — | — | — | — |
| 49: Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 50: Chesbrook----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-13 | 13-25 | 8.0-9.0 | 25-40 | 0.0-2.0 | 0-3 |
| | 13-20 | 13-25 | 8.0-9.0 | 25-40 | 0.0-2.0 | 0-3 |
| | 20-31 | 9.0-25 | 8.0-8.8 | 40-75 | 0.0-2.0 | 0-3 |
| | 31-36 | 9.0-25 | 8.0-8.8 | 40-75 | 0.0-2.0 | 0-3 |
| | 36-48 | 9.0-25 | 8.0-8.8 | 40-75 | 0.0-2.0 | 0-3 |
| | 48-56 | 7.0-20 | 7.9-8.8 | 25-40 | 0.0-2.0 | 0-3 |
| | 56-62 | 7.0-20 | 7.9-8.8 | 20-40 | 0.0-2.0 | 0-3 |
| Bear Lake----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-10 | 15-30 | 7.9-8.4 | 10-40 | 0.0-2.0 | 0-5 |
| | 10-22 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 22-37 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 37-46 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 46-58 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 58-63 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| 51: Chinhill----- | 0-2 | 10-20 | 7.9-8.4 | 3-15 | 0.0-2.0 | 0 |
| | 2-21 | 5.0-15 | 7.9-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 21-36 | 5.0-10 | 7.9-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 36-60 | 5.0-10 | 7.9-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| 52: Chokecherry----- | 0-4 | 9.0-19 | 6.0-7.3 | 0 | 0 | 0 |
| | 4-9 | 7.0-17 | 6.0-7.3 | 0 | 0 | 0 |
| | 9-18 | 8.0-13 | 6.0-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| Dranyon----- | 0-3 | 14-19 | 6.1-6.8 | 0 | 0 | 0 |
| | 3-9 | 14-19 | 6.1-6.8 | 0 | 0 | 0 |
| | 9-20 | 20-28 | 5.6-6.8 | 0 | 0 | 0 |
| | 20-26 | 17-26 | 6.1-6.8 | 0 | 0 | 0 |
| | 26-44 | 19-26 | 6.1-7.0 | 0 | 0 | 0 |
| | 44-60 | 19-25 | 6.1-7.0 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 53: | | | | | | |
| Chokecherry----- | 0-4 | 9.0-19 | 6.0-7.3 | 0 | 0 | 0 |
| | 4-9 | 7.0-17 | 6.0-7.3 | 0 | 0 | 0 |
| | 9-18 | 8.0-13 | 6.0-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| Slights----- | 0-5 | 15-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-12 | 15-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-20 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-39 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| | 39-60 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| Sheep Creek----- | 0-5 | 8.0-25 | 6.8-7.3 | 0 | 0 | 0 |
| | 5-11 | 7.0-23 | 6.8-7.8 | 0 | 0 | 0 |
| | 11-21 | 10-26 | 6.8-7.8 | 0 | 0.0-2.0 | 0 |
| | 21-33 | 7.0-24 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 33-38 | 10-17 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | — | — | — | — | — |
| 54: | | | | | | |
| Chokecherry----- | 0-4 | 9.0-19 | 6.0-7.3 | 0 | 0 | 0 |
| | 4-9 | 7.0-17 | 6.0-7.3 | 0 | 0 | 0 |
| | 9-18 | 8.0-13 | 6.0-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| Tubbs Hollow----- | 0-3 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-12 | 10-16 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-25 | 6.0-18 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-60 | — | — | — | — | — |
| Sheep Creek, dry----- | 0-5 | 8.0-25 | 6.8-7.3 | 0 | 0 | 0 |
| | 5-11 | 7.0-23 | 6.8-7.8 | 0 | 0 | 0 |
| | 11-21 | 10-26 | 6.8-7.8 | 0 | 0.0-2.0 | 0 |
| | 21-33 | 7.0-24 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 33-38 | 10-17 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | — | — | — | — | — |
| 55: | | | | | | |
| Church Springs, dry-- | 0-2 | 16-19 | 7.4-8.0 | 2-15 | 0 | 0 |
| | 2-11 | 14-18 | 7.4-8.0 | 2-15 | 0 | 0 |
| | 11-21 | 20-24 | 7.6-8.4 | 15-35 | 0.0-1.0 | 0-2 |
| | 21-30 | 19-24 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0-2 |
| | 30-60 | 12-17 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0-2 |
| Monida, dry----- | 0-3 | 16-21 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-7 | 22-28 | 7.4-7.6 | 0 | 0 | 0 |
| | 7-15 | 21-26 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 15-33 | 6.2-18 | 7.8-8.4 | 15-35 | 0.0-0.5 | 0-1 |
| | 33-57 | 6.2-18 | 7.8-8.4 | 15-35 | 0.0-0.5 | 0-1 |
| | 57-60 | 6.2-18 | 7.8-8.4 | 15-35 | 0.0-0.5 | 0-1 |
| 56: | | | | | | |
| Cleavage----- | 0-2 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 2-6 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 6-9 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 9-14 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 14-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 57: Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| 58: Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| 59: Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| Grecan----- | 0-3 | 14-22 | 6.1-7.3 | 0 | 0 | 0 |
| | 3-9 | 14-22 | 6.1-7.3 | 0 | 0 | 0 |
| | 9-22 | 20-37 | 6.6-7.8 | 0 | 0 | 0 |
| | 22-28 | 18-26 | 6.6-7.8 | 0 | 0 | 0 |
| | 28-32 | 14-26 | 7.4-8.4 | 2-10 | 0 | 0 |
| | 32-41 | 3.4-18 | 7.9-8.4 | 5-15 | 0 | 0 |
| | 41-60 | 3.4-18 | 7.9-8.4 | 5-15 | 0 | 0 |
| 60: Cooley, dry----- | 0-2 | 5.0-17 | 7.4-7.8 | 0 | 0 | 0 |
| | 2-10 | 5.0-10 | 7.4-7.8 | 0 | 0 | 0 |
| | 10-22 | 5.0-10 | 7.4-7.8 | 0 | 0 | 0 |
| | 22-33 | 5.0-12 | 7.9-8.6 | 5-16 | 0 | 0 |
| | 33-53 | 5.0-12 | 7.9-8.6 | 5-15 | 0 | 0 |
| | 53-60 | 5.0-12 | 7.9-8.6 | 5-15 | 0 | 0 |
| Beehunt, dry----- | 0-8 | 15-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 8-21 | 15-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 21-37 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 37-54 | 15-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 54-60 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| 61: Crossley----- | 0-3 | 7.0-15 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 3-11 | 6.0-13 | 7.8-8.6 | 20-35 | 0 | 0 |
| | 11-17 | 6.0-13 | 7.8-8.6 | 20-35 | 0 | 0 |
| | 17-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |
| 62: Crossley----- | 0-3 | 7.0-15 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 3-11 | 6.0-13 | 7.8-8.6 | 20-35 | 0 | 0 |
| | 11-17 | 6.0-13 | 7.8-8.6 | 20-35 | 0 | 0 |
| | 17-60 | — | — | — | — | — |
| Whitetop----- | 0-4 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 4-16 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 63: | | | | | | |
| Cupine----- | 0-3 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 3-10 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 10-17 | 5.0-13 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-23 | 1.0-5.0 | 6.6-7.5 | 0 | 0 | 0 |
| | 23-60 | — | — | — | — | — |
| Dunford----- | 0-5 | 11-18 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-11 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-20 | 19-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 20-27 | 19-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 27-60 | — | — | — | — | — |
| 64: | | | | | | |
| Cupine, dry----- | 0-3 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 3-10 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 10-17 | 5.0-13 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-23 | 1.0-5.0 | 6.6-7.5 | 0 | 0 | 0 |
| | 23-60 | — | — | — | — | — |
| Falula, dry----- | 0-4 | 13-20 | 6.8-7.8 | 0 | 0 | 0 |
| | 4-12 | 13-20 | 7.0-7.8 | 0 | 0 | 0 |
| | 12-18 | 10-15 | 7.8-8.4 | 15-25 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| 65: | | | | | | |
| Dennot, dry----- | 0-6 | 10-20 | 7.8-8.4 | 5-10 | 0.0-2.0 | 0 |
| | 6-20 | 7.0-13 | 7.9-8.6 | 15-30 | 0.0-2.0 | 1-5 |
| | 20-42 | 6.0-13 | 7.9-8.6 | 15-30 | 0.0-2.0 | 1-5 |
| | 42-49 | 7.0-13 | 7.9-8.6 | 15-30 | 0.5-2.0 | 1-5 |
| | 49-62 | 7.0-13 | 7.9-8.6 | 15-30 | 0.5-2.0 | 1-5 |
| Thatcher, dry----- | 0-10 | 5.0-15 | 7.1-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-19 | 11-21 | 7.4-7.8 | 0 | 0.0-2.0 | 0 |
| | 19-28 | 15-19 | 7.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 28-42 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| | 42-60 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| 66: | | | | | | |
| Dingle----- | 0-6 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 6-18 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 18-23 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 23-36 | 17-30 | 7.9-8.4 | 15-30 | 0 | 0-1 |
| | 36-60 | 17-30 | 7.9-8.4 | 15-30 | 0 | 0-1 |
| 67: | | | | | | |
| Dinswamp----- | 0-2 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 2-10 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 10-12 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 12-18 | 17-30 | 7.9-9.0 | 30-40 | 2.0-6.0 | 12-20 |
| | 18-40 | 17-30 | 8.0-9.0 | 30-40 | 0.0-4.0 | 0-1 |
| | 40-60 | 15-28 | 8.0-9.0 | 30-40 | 2.0-6.0 | 12-20 |
| 68: | | | | | | |
| Dipcreek----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 68: | | | | | | |
| Cutoff----- | 0-3 | 9.0-18 | 7.4-7.8 | 0-5 | 0 | 0 |
| | 3-5 | 7.0-16 | 7.5-8.4 | 2-10 | 0 | 0 |
| | 5-9 | 7.0-18 | 7.9-8.6 | 15-25 | 0.0-1.0 | 1-3 |
| | 9-23 | 2.0-18 | 7.9-8.6 | 15-25 | 0.0-2.0 | 1-3 |
| | 23-60 | — | — | — | — | — |
| Sheep Creek----- | 0-5 | 8.0-25 | 6.8-7.3 | 0 | 0 | 0 |
| | 5-11 | 7.0-23 | 6.8-7.8 | 0 | 0 | 0 |
| | 11-21 | 10-26 | 6.8-7.8 | 0 | 0.0-2.0 | 0 |
| | 21-33 | 7.0-24 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 33-38 | 10-17 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | — | — | — | — | — |
| 69: | | | | | | |
| Dipcreek----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |
| 70: | | | | | | |
| Dirtyhead----- | 0-8 | 10-14 | 7.8-8.4 | 10-20 | 0.0-0.5 | 0 |
| | 8-18 | 6.2-9.7 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 18-26 | 6.1-9.6 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-32 | 5.9-9.4 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 32-60 | — | — | — | — | — |
| Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |
| 71: | | | | | | |
| Dirtyhead----- | 0-8 | 10-14 | 7.8-8.4 | 10-20 | 0.0-0.5 | 0 |
| | 8-18 | 6.2-9.7 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 18-26 | 6.1-9.6 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-32 | 5.9-9.4 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 32-60 | — | — | — | — | — |
| Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 72: | | | | | | |
| Dollarhide----- | 0-6 | 9.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-13 | 7.0-15 | 6.6-7.3 | 0 | 0 | 0 |
| | 13-19 | 8.0-11 | 6.6-7.3 | 0 | 0 | 0 |
| | 19-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 73: | | | | | | |
| Dollarhide----- | 0-6 | 9.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-13 | 7.0-15 | 6.6-7.3 | 0 | 0 | 0 |
| | 13-19 | 8.0-11 | 6.6-7.3 | 0 | 0 | 0 |
| | 19-60 | — | — | — | — | — |
| Grunder----- | 0-3 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 3-12 | 15-23 | 5.6-6.5 | 0 | 0 | 0 |
| | 12-22 | 20-26 | 5.6-6.5 | 0 | 0 | 0 |
| | 22-26 | 8.0-21 | 6.1-7.3 | 0 | 0 | 0 |
| | 26-60 | — | — | — | — | — |
| 74: | | | | | | |
| Drage----- | 0-4 | 14-19 | 6.4-6.8 | 0 | 0 | 0 |
| | 4-10 | 14-19 | 6.4-6.8 | 0 | 0 | 0 |
| | 10-22 | 21-27 | 6.6-7.2 | 0 | 0 | 0 |
| | 22-38 | 21-27 | 6.6-7.2 | 0 | 0 | 0 |
| | 38-60 | 12-18 | 7.6-8.4 | 3-15 | 0 | 0 |
| Causey----- | 0-5 | 12-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-15 | 12-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-23 | 15-19 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 23-60 | 13-18 | 7.8-8.4 | 20-30 | 0 | 0 |
| Lilcan----- | 0-3 | 7.5-14 | 7.2-7.8 | 3-10 | 0 | 0 |
| | 3-9 | 5.6-9.9 | 7.6-8.4 | 10-25 | 0 | 0 |
| | 9-15 | 3.3-8.6 | 7.8-8.4 | 20-35 | 0 | 0 |
| | 15-60 | — | — | — | — | — |
| 75: | | | | | | |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| Hoopgobel----- | 0-4 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-28 | 17-21 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 28-60 | — | — | — | — | — |
| Ledgehollow----- | 0-4 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 14-22 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-15 | 14-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-60 | — | — | — | — | — |
| 76: | | | | | | |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 76: Pavohroo----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-5 | 15-24 | 6.5-7.3 | 0 | 0 | 0 |
| | 5-12 | 13-23 | 6.5-7.3 | 0 | 0 | 0 |
| | 12-17 | 13-23 | 6.5-7.3 | 0 | 0 | 0 |
| | 17-24 | 13-20 | 6.5-7.3 | 0 | 0 | 0 |
| | 24-32 | 13-21 | 6.5-7.3 | 0 | 0 | 0 |
| | 32-41 | 13-21 | 6.5-7.3 | 0 | 0 | 0 |
| | 41-60 | 12-17 | 7.4-8.2 | 1-15 | 0 | 0 |
| 77: Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| Pontuge----- | 0-3 | 10-20 | 6.4-7.3 | 0 | 0 | 0 |
| | 3-10 | 10-20 | 6.5-7.3 | 0 | 0 | 0 |
| | 10-17 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-21 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 21-24 | 10-15 | 7.6-8.2 | 15-40 | 0 | 0 |
| | 24-42 | 5.0-15 | 8.0-8.5 | 15-40 | 0 | 0 |
| | 42-60 | 2.0-10 | 7.9-8.5 | 15-40 | 0 | 0 |
| 78: Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| Poulridge----- | 0-3 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 3-8 | 16-21 | 6.4-7.3 | 0 | 0 | 0 |
| | 8-15 | 15-21 | 6.4-7.3 | 0 | 0 | 0 |
| | 15-31 | 21-27 | 6.4-7.3 | 0 | 0 | 0 |
| | 31-37 | 4.4-12 | 6.6-7.6 | 0-5 | 0 | 0 |
| | 37-60 | — | — | — | — | — |
| 79: Dranyon----- | 0-3 | 14-19 | 6.1-6.8 | 0 | 0 | 0 |
| | 3-9 | 14-19 | 6.1-6.8 | 0 | 0 | 0 |
| | 9-20 | 20-28 | 5.6-6.8 | 0 | 0 | 0 |
| | 20-26 | 17-26 | 6.1-6.8 | 0 | 0 | 0 |
| | 26-44 | 19-26 | 6.1-7.0 | 0 | 0 | 0 |
| | 44-60 | 19-25 | 6.1-7.0 | 0 | 0 | 0 |
| 80: Dry Canyon, dry----- | 0-3 | 14-23 | 5.6-6.5 | 0 | 0 | 0 |
| | 3-10 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 10-18 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 18-25 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-38 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-48 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 48-53 | 11-15 | 5.8-7.3 | 0 | 0 | 0 |
| | 53-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 81: Dry Canyon, dry----- | 0-3 | 14-23 | 5.6-6.5 | 0 | 0 | 0 |
| | 3-10 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 10-18 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 18-25 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-38 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-48 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 48-53 | 11-15 | 5.8-7.3 | 0 | 0 | 0 |
| | 53-60 | — | — | — | — | — |
| Cutoff----- | 0-3 | 9.0-18 | 7.4-7.8 | 0-5 | 0 | 0 |
| | 3-5 | 7.0-16 | 7.5-8.4 | 2-10 | 0 | 0 |
| | 5-9 | 7.0-18 | 7.9-8.6 | 15-25 | 0.0-1.0 | 1-3 |
| | 9-23 | 2.0-18 | 7.9-8.6 | 15-25 | 0.0-2.0 | 1-3 |
| | 23-60 | — | — | — | — | — |
| 82: Dumps, mine. | | | | | | |
| 83: Dutchcanyon----- | 0-7 | 9.0-20 | 7.7-8.4 | 10-20 | 0 | 0 |
| | 7-13 | 8.0-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-27 | 6.0-15 | 8.0-8.4 | 30-45 | 0.0-2.0 | 0-5 |
| | 27-61 | 5.0-10 | 8.0-8.4 | 45-80 | 0.0-2.0 | 0-5 |
| 84: Dutchcanyon----- | 0-7 | 9.0-20 | 7.7-8.4 | 10-20 | 0 | 0 |
| | 7-13 | 8.0-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-27 | 6.0-15 | 8.0-8.4 | 30-45 | 0.0-2.0 | 0-5 |
| | 27-61 | 5.0-10 | 8.0-8.4 | 45-80 | 0.0-2.0 | 0-5 |
| Frenchollow----- | 0-12 | 16-30 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-20 | 14-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-29 | 15-35 | 7.2-7.8 | 0 | 0 | 0 |
| | 29-52 | 19-40 | 7.2-7.8 | 0 | 0 | 0 |
| | 52-62 | 18-40 | 7.8-8.4 | 10-35 | 0.0-2.0 | 0-5 |
| 85: Every----- | 0-4 | 10-20 | 7.6-7.8 | 10-25 | 0 | 0 |
| | 4-15 | 10-20 | 7.8-8.4 | 15-40 | 0 | 0 |
| | 15-43 | 10-15 | 7.9-8.4 | 25-45 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| Preuss----- | 0-2 | 10-15 | 7.6-8.2 | 20-40 | 0 | 0-3 |
| | 2-13 | 5.0-15 | 7.6-8.2 | 25-45 | 0 | 0-8 |
| | 13-22 | 5.0-15 | 7.8-8.4 | 40-50 | 0 | 0-8 |
| | 22-60 | — | — | — | — | — |
| 86: Every----- | 0-4 | 10-20 | 7.6-7.8 | 10-25 | 0 | 0 |
| | 4-15 | 10-20 | 7.8-8.4 | 15-40 | 0 | 0 |
| | 15-43 | 10-15 | 7.9-8.4 | 25-45 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| Preuss----- | 0-2 | 10-15 | 7.6-8.2 | 20-40 | 0 | 0-3 |
| | 2-13 | 5.0-15 | 7.6-8.2 | 25-45 | 0 | 0-8 |
| | 13-22 | 5.0-15 | 7.8-8.4 | 40-50 | 0 | 0-8 |
| | 22-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 87: Fishhaven----- | 0-3 | 9.0-20 | 7.7-8.4 | 10-20 | 0.0-2.0 | 0 |
| | 3-10 | 9.0-20 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 10-16 | 6.0-15 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 16-22 | 6.0-15 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 22-27 | 5.0-10 | 7.9-8.4 | 55-70 | 0.0-2.0 | 0-5 |
| | 27-60 | — | — | — | — | — |
| Dutchcanyon----- | 0-7 | 9.0-20 | 7.7-8.4 | 10-20 | 0 | 0 |
| | 7-13 | 8.0-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-27 | 6.0-15 | 8.0-8.4 | 30-45 | 0.0-2.0 | 0-5 |
| | 27-61 | 5.0-10 | 8.0-8.4 | 45-80 | 0.0-2.0 | 0-5 |
| 88: Frenchollow----- | 0-12 | 16-30 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-20 | 14-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-29 | 15-35 | 7.2-7.8 | 0 | 0 | 0 |
| | 29-52 | 19-40 | 7.2-7.8 | 0 | 0 | 0 |
| | 52-62 | 18-40 | 7.8-8.4 | 10-35 | 0.0-2.0 | 0-5 |
| 89: Frenchollow----- | 0-12 | 16-30 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-20 | 14-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-29 | 15-35 | 7.2-7.8 | 0 | 0 | 0 |
| | 29-52 | 19-40 | 7.2-7.8 | 0 | 0 | 0 |
| | 52-62 | 18-40 | 7.8-8.4 | 10-35 | 0.0-2.0 | 0-5 |
| 90: Fury----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-12 | 16-23 | 6.6-7.4 | 0 | 0 | 0 |
| | 12-21 | 17-29 | 6.4-7.3 | 0 | 0 | 0 |
| | 21-31 | 17-29 | 6.4-7.3 | 0 | 0 | 0 |
| | 31-41 | 17-29 | 6.5-7.3 | 0 | 0 | 0 |
| | 41-51 | 16-28 | 6.5-7.3 | 0 | 0 | 0 |
| | 51-60 | 16-28 | 6.5-7.3 | 0 | 0 | 0 |
| 91: Georgecanyon----- | 0-3 | 15-25 | 7.4-8.2 | 0-15 | 0.0-2.0 | 0-5 |
| | 3-9 | 15-25 | 7.4-8.2 | 0-15 | 0.0-2.0 | 0-5 |
| | 9-16 | 15-30 | 7.6-8.0 | 5-15 | 0.0-2.0 | 0-5 |
| | 16-26 | 15-25 | 7.6-8.0 | 15-40 | 0.0-2.0 | 0-5 |
| | 26-39 | 10-20 | 7.9-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 39-60 | 10-20 | 7.9-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| 92: Hades----- | 0-6 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-12 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 12-20 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 20-61 | 10-25 | 6.1-7.4 | 0-1 | 0 | 0 |
| 93: Hades----- | 0-6 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-12 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 12-20 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 20-61 | 10-25 | 6.1-7.4 | 0-1 | 0 | 0 |
| 94: Hades----- | 0-6 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-12 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 12-20 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 20-61 | 10-25 | 6.1-7.4 | 0-1 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 95: | | | | | | |
| Hades----- | 0-6 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-12 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 12-20 | 15-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 20-61 | 10-25 | 6.1-7.4 | 0-1 | 0 | 0 |
| Horrocks----- | 0-7 | 13-18 | 6.3-7.0 | 0 | 0 | 0 |
| | 7-12 | 13-17 | 6.4-7.0 | 0 | 0 | 0 |
| | 12-19 | 19-27 | 6.5-7.2 | 0 | 0 | 0 |
| | 19-31 | 18-26 | 6.5-7.2 | 0 | 0 | 0 |
| | 31-43 | 8.9-18 | 6.5-7.3 | 0 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| 96: | | | | | | |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |
| Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| 97: | | | | | | |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 98: | | | | | | |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |
| Horrocks----- | 0-7 | 13-18 | 6.3-7.0 | 0 | 0 | 0 |
| | 7-12 | 13-17 | 6.4-7.0 | 0 | 0 | 0 |
| | 12-19 | 19-27 | 6.5-7.2 | 0 | 0 | 0 |
| | 19-31 | 18-26 | 6.5-7.2 | 0 | 0 | 0 |
| | 31-43 | 8.9-18 | 6.5-7.3 | 0 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| 99: | | | | | | |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 99: | | | | | | |
| Zeebar----- | 0-6 | 14-19 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-13 | 14-19 | 6.6-7.3 | 0 | 0 | 0 |
| | 13-18 | 19-27 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-34 | 18-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 34-48 | 18-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 48-60 | 18-26 | 6.6-7.3 | 0 | 0 | 0 |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 100: | | | | | | |
| Hoopgobel----- | 0-4 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-28 | 17-21 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 28-60 | — | — | — | — | — |
| Cadero----- | 0-5 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-14 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 14-25 | 10-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-60 | — | — | — | — | — |
| 101: | | | | | | |
| Hoopgobel----- | 0-4 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-28 | 17-21 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 28-60 | — | — | — | — | — |
| Slights----- | 0-5 | 15-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-12 | 15-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-20 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-39 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| | 39-60 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| 102: | | | | | | |
| Horrocks----- | 0-7 | 13-18 | 6.3-7.0 | 0 | 0 | 0 |
| | 7-12 | 13-17 | 6.4-7.0 | 0 | 0 | 0 |
| | 12-19 | 19-27 | 6.5-7.2 | 0 | 0 | 0 |
| | 19-31 | 18-26 | 6.5-7.2 | 0 | 0 | 0 |
| | 31-43 | 8.9-18 | 6.5-7.3 | 0 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| Cedarhill----- | 0-3 | 8.0-17 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 3-7 | 6.0-13 | 7.4-8.2 | 2-12 | 0 | 0 |
| | 7-13 | 6.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 13-26 | 6.0-11 | 7.8-8.4 | 15-35 | 0.0-1.0 | 0 |
| | 26-60 | 6.0-11 | 7.7-8.4 | 5-20 | 0.0-1.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 103: | | | | | | |
| Horrocks----- | 0-7 | 13-18 | 6.3-7.0 | 0 | 0 | 0 |
| | 7-12 | 13-17 | 6.4-7.0 | 0 | 0 | 0 |
| | 12-19 | 19-27 | 6.5-7.2 | 0 | 0 | 0 |
| | 19-31 | 18-26 | 6.5-7.2 | 0 | 0 | 0 |
| | 31-43 | 8.9-18 | 6.5-7.3 | 0 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| Cleavage----- | 0-2 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 2-6 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 6-9 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 9-14 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 14-60 | — | — | — | — | — |
| 104: | | | | | | |
| Horrocks----- | 0-7 | 13-18 | 6.3-7.0 | 0 | 0 | 0 |
| | 7-12 | 13-17 | 6.4-7.0 | 0 | 0 | 0 |
| | 12-19 | 19-27 | 6.5-7.2 | 0 | 0 | 0 |
| | 19-31 | 18-26 | 6.5-7.2 | 0 | 0 | 0 |
| | 31-43 | 8.9-18 | 6.5-7.3 | 0 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| Cleavage----- | 0-2 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 2-6 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 6-9 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 9-14 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 14-60 | — | — | — | — | — |
| 105: | | | | | | |
| Hutchley----- | 0-2 | 11-21 | 6.1-7.3 | 0 | 0 | 0 |
| | 2-10 | 13-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-15 | 13-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-60 | — | — | — | — | — |
| Cupine----- | 0-3 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 3-10 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 10-17 | 5.0-13 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-23 | 1.0-5.0 | 6.6-7.5 | 0 | 0 | 0 |
| | 23-60 | — | — | — | — | — |
| Vitale----- | 0-3 | 10-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-9 | 14-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-20 | 14-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-30 | 13-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 30-60 | — | — | — | — | — |
| 106: | | | | | | |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| 107: | | | | | | |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 108: Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| 109: Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| Watercanyon----- | 0-4 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 4-11 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 11-23 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 23-32 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 32-60 | 3.0-12 | 7.9-8.8 | 15-30 | 2.0-4.0 | 2-10 |
| 110: Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| Watercanyon----- | 0-4 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 4-11 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 11-23 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 23-32 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 32-60 | 3.0-12 | 7.9-8.8 | 15-30 | 2.0-4.0 | 2-10 |
| 111: Iphil, dry----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| Watercanyon, dry---- | 0-4 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 4-11 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 11-23 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 23-32 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 32-60 | 3.0-12 | 7.9-8.8 | 15-30 | 2.0-4.0 | 2-10 |
| 112: Ireland----- | 0-4 | 6.0-15 | 6.8-7.8 | 0 | 0 | 0 |
| | 4-11 | 10-15 | 7.2-7.8 | 0-5 | 0.0-2.0 | 0 |
| | 11-24 | 10-15 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 24-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 112: | | | | | | |
| Falula----- | 0-4 | 13-20 | 6.8-7.8 | 0 | 0 | 0 |
| | 4-12 | 13-20 | 7.0-7.8 | 0 | 0 | 0 |
| | 12-18 | 10-15 | 7.8-8.4 | 15-25 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| Vicking----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |
| 113: | | | | | | |
| Jacanyon----- | 0-2 | 17-28 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-11 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 11-18 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-26 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 26-35 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | — | — | — | — | — |
| Cleavage----- | 0-2 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 2-6 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 6-9 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 9-14 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 14-60 | — | — | — | — | — |
| 114: | | | | | | |
| Jebo, dry----- | 0-3 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 3-12 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 12-19 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 19-28 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 28-60 | — | — | — | — | — |
| Cokeville, dry----- | 0-2 | 10-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 2-5 | 15-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 5-9 | 20-25 | 7.4-8.2 | 0-5 | 0 | 0 |
| | 9-15 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 15-31 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 31-43 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 43-56 | 25-30 | 7.9-8.4 | 20-40 | 0 | 0 |
| | 56-60 | — | — | — | — | — |
| Dennot, dry----- | 0-6 | 10-20 | 7.8-8.4 | 5-10 | 0.0-2.0 | 0 |
| | 6-20 | 7.0-13 | 7.9-8.6 | 15-30 | 0.0-2.0 | 1-5 |
| | 20-42 | 6.0-13 | 7.9-8.6 | 15-30 | 0.0-2.0 | 1-5 |
| | 42-49 | 7.0-13 | 7.9-8.6 | 15-30 | 0.5-2.0 | 1-5 |
| | 49-62 | 7.0-13 | 7.9-8.6 | 15-30 | 0.5-2.0 | 1-5 |
| 115: | | | | | | |
| Jebo----- | 0-3 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 3-12 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 12-19 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 19-28 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 28-60 | — | — | — | — | — |
| Cupine----- | 0-3 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 3-10 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 10-17 | 5.0-13 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-23 | 1.0-5.0 | 6.6-7.5 | 0 | 0 | 0 |
| | 23-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 116: Jebo, dry----- | 0-3 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 3-12 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 12-19 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 19-28 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 28-60 | — | — | — | — | — |
| Cupine, dry----- | 0-3 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 3-10 | 6.0-15 | 6.6-7.5 | 0 | 0 | 0 |
| | 10-17 | 5.0-13 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-23 | 1.0-5.0 | 6.6-7.5 | 0 | 0 | 0 |
| | 23-60 | — | — | — | — | — |
| 117: Jebo----- | 0-3 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 3-12 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 12-19 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 19-28 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 28-60 | — | — | — | — | — |
| Dipcreek----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| 118: Jebo, dry----- | 0-3 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 3-12 | 10-18 | 6.6-7.6 | 0 | 0 | 0-2 |
| | 12-19 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 19-28 | 7.0-13 | 7.9-8.4 | 20-40 | 0 | 0-2 |
| | 28-60 | — | — | — | — | — |
| Dipcreek, dry----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| 119: Joes----- | 0-7 | 12-20 | 7.4-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 7-12 | 11-25 | 7.6-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-20 | 11-25 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 20-50 | 6.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0-5 |
| | 50-60 | 6.0-15 | 7.8-8.4 | 10-35 | 0.0-2.0 | 0-5 |
| 120: Joes----- | 0-7 | 12-20 | 7.4-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 7-12 | 11-25 | 7.6-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-20 | 11-25 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 20-50 | 6.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0-5 |
| | 50-60 | 6.0-15 | 7.8-8.4 | 10-35 | 0.0-2.0 | 0-5 |
| 121: Kucera----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 122: | | | | | | |
| Kucera----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |
| Chausse----- | 0-3 | 15-20 | 7.8-8.4 | 5-10 | 0 | 0 |
| | 3-10 | 5.0-15 | 7.9-8.6 | 8-20 | 0 | 0 |
| | 10-23 | 5.0-15 | 7.9-8.6 | 8-20 | 0 | 0 |
| | 23-42 | 5.0-15 | 7.9-8.6 | 8-20 | 0 | 0 |
| | 42-58 | 5.0-15 | 7.9-8.6 | 8-20 | 0 | 0 |
| | 58-69 | 5.0-15 | 7.9-8.6 | 8-20 | 0 | 0 |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| 123: | | | | | | |
| La Roco----- | 0-2 | 21-33 | 7.9-8.4 | 15-40 | 1.0-2.0 | 1-5 |
| | 2-11 | 21-33 | 7.9-8.4 | 20-40 | 1.0-2.0 | 1-5 |
| | 11-20 | 12-25 | 8.0-8.8 | 40-60 | 1.0-2.0 | 1-5 |
| | 20-26 | 12-22 | 8.0-8.8 | 40-60 | 0.5-1.0 | 1-5 |
| | 26-34 | 10-19 | 8.0-8.8 | 40-60 | 0.5-1.0 | 1-5 |
| | 34-42 | 10-17 | 7.9-8.8 | 40-60 | 0.0-1.0 | 1-5 |
| | 42-49 | 5.0-7.0 | 7.6-8.4 | 1-15 | 0.0-0.5 | 1-5 |
| | 49-59 | 5.0-7.0 | 7.6-8.4 | 1-15 | 0.0-0.5 | 1-5 |
| | 59-62 | 2.0-5.0 | 7.6-8.4 | 1-10 | 0.0-0.5 | 1-5 |
| 124: | | | | | | |
| La Roco, saline----- | 0-2 | 21-33 | 7.9-8.4 | 15-40 | 4.0-8.0 | 1-7 |
| | 2-11 | 21-33 | 7.9-8.4 | 20-40 | 6.0-12.0 | 2-8 |
| | 11-20 | 12-25 | 8.0-8.8 | 40-60 | 6.0-10.0 | 2-8 |
| | 20-26 | 12-22 | 8.0-8.8 | 40-60 | 4.0-8.0 | 2-7 |
| | 26-34 | 10-19 | 8.0-8.8 | 40-60 | 2.0-6.0 | 1-5 |
| | 34-42 | 10-17 | 7.9-8.8 | 40-60 | 1.0-5.0 | 1-5 |
| | 42-49 | 5.0-7.0 | 7.6-8.4 | 1-15 | 0.0-2.0 | 1-5 |
| | 49-59 | 5.0-7.0 | 7.6-8.4 | 1-15 | 0.0-0.5 | 1-5 |
| | 59-62 | 2.0-5.0 | 7.6-8.4 | 1-10 | 0.0-0.5 | 1-5 |
| 125: | | | | | | |
| Lag----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-8 | 13-19 | 6.3-7.0 | 0 | 0 | 0 |
| | 8-17 | 4.1-16 | 6.4-7.2 | 0 | 0 | 0 |
| | 17-32 | 4.1-16 | 6.4-7.2 | 0 | 0 | 0 |
| | 32-48 | 4.1-15 | 6.4-7.2 | 0 | 0 | 0 |
| | 48-60 | 4.1-15 | 6.4-7.2 | 0 | 0 | 0 |
| Dollarhide----- | 0-6 | 9.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-13 | 7.0-15 | 6.6-7.3 | 0 | 0 | 0 |
| | 13-19 | 8.0-11 | 6.6-7.3 | 0 | 0 | 0 |
| | 19-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 126: Lag----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-8 | 13-19 | 6.3-7.0 | 0 | 0 | 0 |
| | 8-17 | 4.1-16 | 6.4-7.2 | 0 | 0 | 0 |
| | 17-32 | 4.1-16 | 6.4-7.2 | 0 | 0 | 0 |
| | 32-48 | 4.1-15 | 6.4-7.2 | 0 | 0 | 0 |
| | 48-60 | 4.1-15 | 6.4-7.2 | 0 | 0 | 0 |
| Dranyon----- | 0-3 | 14-19 | 6.1-6.8 | 0 | 0 | 0 |
| | 3-9 | 14-19 | 6.1-6.8 | 0 | 0 | 0 |
| | 9-20 | 20-28 | 5.6-6.8 | 0 | 0 | 0 |
| | 20-26 | 17-26 | 6.1-6.8 | 0 | 0 | 0 |
| | 26-44 | 19-26 | 6.1-7.0 | 0 | 0 | 0 |
| | 44-60 | 19-25 | 6.1-7.0 | 0 | 0 | 0 |
| 127: Lago----- | 0-8 | 15-25 | 7.8-8.4 | 15-30 | 0 | 0-5 |
| | 8-13 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 13-19 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 19-29 | 15-30 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 29-38 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 38-45 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 45-55 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 55-60 | 4.0-15 | 7.9-8.6 | 5-25 | 0 | 0-5 |
| 128: Lago----- | 0-8 | 15-25 | 7.8-8.4 | 15-30 | 0 | 0-5 |
| | 8-13 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 13-19 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 19-29 | 15-30 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 29-38 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 38-45 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 45-55 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 55-60 | 4.0-15 | 7.9-8.6 | 5-25 | 0 | 0-5 |
| Bear Lake----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-10 | 15-30 | 7.9-8.4 | 10-40 | 0.0-2.0 | 0-5 |
| | 10-22 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 22-37 | 10-25 | 8.0-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 37-46 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 46-58 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| | 58-63 | 10-20 | 8.0-8.6 | 10-40 | 0.0-2.0 | 0-5 |
| 129: Lago----- | 0-8 | 15-25 | 7.8-8.4 | 15-30 | 0 | 0-5 |
| | 8-13 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 13-19 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 19-29 | 15-30 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 29-38 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 38-45 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 45-55 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 55-60 | 4.0-15 | 7.9-8.6 | 5-25 | 0 | 0-5 |
| Merkley----- | 0-2 | 9.0-20 | 7.9-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 2-12 | 9.0-20 | 7.9-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 12-20 | 6.0-20 | 7.9-8.6 | 15-40 | 2.0-4.0 | 0-5 |
| | 20-28 | 6.0-20 | 7.9-8.6 | 15-45 | 2.0-4.0 | 0-5 |
| | 28-36 | 6.0-20 | 7.9-8.6 | 15-40 | 2.0-4.0 | 0-5 |
| | 36-40 | 4.0-11 | 7.9-8.6 | 10-30 | 2.0-4.0 | 0-5 |
| | 40-53 | 1.0-8.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| | 53-56 | 1.0-8.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| | 56-61 | 1.0-4.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 130: Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| 131: Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| 132: Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| 133: Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| 134: Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 135: Lanoak----- | 0-9 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 9-16 | 10-20 | 6.4-7.6 | 0 | 0 | 0 |
| | 16-25 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-43 | 10-25 | 6.6-7.8 | 0 | 0 | 0 |
| | 43-60 | 10-25 | 7.4-8.4 | 2-15 | 0 | 0 |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 136: | | | | | | |
| Leftfork----- | 0-5 | 15-23 | 6.1-6.5 | 0 | 0 | 0 |
| | 5-11 | 22-34 | 6.1-6.5 | 0 | 0 | 0 |
| | 11-18 | 22-32 | 6.1-6.5 | 0 | 0 | 0 |
| | 18-25 | 22-32 | 6.1-6.5 | 0 | 0 | 0 |
| | 25-43 | 22-34 | 7.0-7.8 | 0-5 | 0 | 0 |
| | 43-45 | — | — | — | — | — |
| | 45-60 | — | — | — | — | — |
| Cleavage----- | 0-2 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 2-6 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 6-9 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 9-14 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 14-60 | — | — | — | — | — |
| 137: | | | | | | |
| Lilcan----- | 0-3 | 7.5-14 | 7.2-7.8 | 3-10 | 0 | 0 |
| | 3-9 | 5.6-9.9 | 7.6-8.4 | 10-25 | 0 | 0 |
| | 9-15 | 3.3-8.6 | 7.8-8.4 | 20-35 | 0 | 0 |
| | 15-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |
| Jacanyon----- | 0-2 | 17-28 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-11 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 11-18 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-26 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 26-35 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | — | — | — | — | — |
| 138: | | | | | | |
| Lilcan----- | 0-3 | 7.5-14 | 7.2-7.8 | 3-10 | 0 | 0 |
| | 3-9 | 5.6-9.9 | 7.6-8.4 | 10-25 | 0 | 0 |
| | 9-15 | 3.3-8.6 | 7.8-8.4 | 20-35 | 0 | 0 |
| | 15-60 | — | — | — | — | — |
| Watkins Ridge, dry--- | 0-8 | 10-20 | 7.5-7.8 | 5-15 | 0 | 0 |
| | 8-14 | 10-20 | 7.5-7.8 | 5-15 | 0 | 0 |
| | 14-26 | 15-20 | 7.9-8.6 | 15-30 | 0 | 0 |
| | 26-45 | 15-20 | 7.9-8.6 | 15-30 | 0 | 0 |
| | 45-60 | 15-20 | 7.9-8.6 | 15-30 | 0 | 0 |
| Jacanyon----- | 0-2 | 17-28 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-11 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 11-18 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-26 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 26-35 | 18-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | — | — | — | — | — |
| 139: | | | | | | |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Kucera----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 139: Sprollo----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| 140: Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Kucera, dry----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |
| Sprollo, dry----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| 141: Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Monida----- | 0-3 | 16-21 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-7 | 22-28 | 7.4-7.6 | 0 | 0 | 0 |
| | 7-15 | 21-26 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 15-33 | 6.2-18 | 7.8-8.4 | 15-35 | 0.0-0.5 | 0-1 |
| | 33-57 | 6.2-18 | 7.8-8.4 | 15-35 | 0.0-0.5 | 0-1 |
| | 57-60 | 6.2-18 | 7.8-8.4 | 15-35 | 0.0-0.5 | 0-1 |
| Chokecherry----- | 0-4 | 9.0-19 | 6.0-7.3 | 0 | 0 | 0 |
| | 4-9 | 7.0-17 | 6.0-7.3 | 0 | 0 | 0 |
| | 9-18 | 8.0-13 | 6.0-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| 142: Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| Rock outcrop----- | 0-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 143: | | | | | | |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Sheep Creek----- | 0-5 | 8.0-25 | 6.8-7.3 | 0 | 0 | 0 |
| | 5-11 | 7.0-23 | 6.8-7.8 | 0 | 0 | 0 |
| | 11-21 | 10-26 | 6.8-7.8 | 0 | 0.0-2.0 | 0 |
| | 21-33 | 7.0-24 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 33-38 | 10-17 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | — | — | — | — | — |
| Dipcreek----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| 144: | | | | | | |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Sprollow----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| 145: | | | | | | |
| Marshdale----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-9 | 16-22 | 6.1-7.0 | 0 | 0 | 0 |
| | 9-15 | 16-29 | 6.1-7.0 | 0 | 0 | 0 |
| | 15-24 | 16-28 | 6.1-7.0 | 0 | 0 | 0 |
| | 24-38 | 15-28 | 6.1-7.0 | 0 | 0 | 0 |
| | 38-50 | 15-28 | 6.1-7.0 | 0 | 0 | 0 |
| | 50-60 | 1.8-4.1 | 6.1-7.0 | 0 | 0 | 0 |
| Bloomcreek----- | 0-3 | 13-19 | 5.9-7.0 | 0 | 0 | 0 |
| | 3-17 | 13-19 | 6.0-7.0 | 0 | 0 | 0 |
| | 17-24 | 8.6-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 24-32 | 8.6-16 | 6.1-7.3 | 0 | 0 | 0 |
| | 32-38 | 8.9-19 | 5.8-6.8 | 0 | 0 | 0 |
| | 38-60 | 0.0-8.6 | 5.8-6.8 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 146: Merkley----- | 0-2 | 9.0-20 | 7.9-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 2-12 | 9.0-20 | 7.9-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 12-20 | 6.0-20 | 7.9-8.6 | 15-40 | 2.0-4.0 | 0-5 |
| | 20-28 | 6.0-20 | 7.9-8.6 | 15-45 | 2.0-4.0 | 0-5 |
| | 28-36 | 6.0-20 | 7.9-8.6 | 15-40 | 2.0-4.0 | 0-5 |
| | 36-40 | 4.0-11 | 7.9-8.6 | 10-30 | 2.0-4.0 | 0-5 |
| | 40-53 | 1.0-8.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| | 53-56 | 1.0-8.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| | 56-61 | 1.0-4.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| 147: Millerditch----- | 0-1 | 20-40 | 7.6-8.4 | 10-20 | 0.0-2.0 | 0-5 |
| | 1-8 | 20-40 | 7.8-8.4 | 10-20 | 0.0-2.0 | 0-5 |
| | 8-11 | 5.0-10 | 7.8-9.0 | 15-30 | 2.0-4.0 | 5-10 |
| | 11-15 | 5.0-10 | 7.8-9.0 | 15-30 | 2.0-4.0 | 5-10 |
| | 15-29 | 5.0-10 | 7.8-9.0 | 10-30 | 2.0-4.0 | 5-10 |
| | 29-45 | 1.0-8.0 | 7.6-7.8 | 3-15 | 0 | 0-5 |
| | 45-53 | 1.0-8.0 | 7.6-7.8 | 3-15 | 0 | 0-5 |
| | 53-61 | 1.0-8.0 | 7.6-7.8 | 3-15 | 0 | 0-5 |
| Cookcan----- | 0-3 | 19-30 | 7.7-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-9 | 20-40 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 9-12 | 15-30 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 12-24 | 5.0-11 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 24-35 | 5.0-11 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 35-40 | 5.0-11 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 40-58 | 2.0-7.0 | 7.8-8.4 | 5-10 | 0 | 0-5 |
| | 58-61 | 2.0-6.0 | 7.8-8.4 | 5-10 | 0 | 0-5 |
| 148: Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| 149: Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| Sprollow----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| 150: Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 150: Sprollo, dry----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| 151: Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| Sprollo, dry----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| 152: Nielsen----- | 0-6 | 16-19 | 6.2-7.3 | 0 | 0 | 0 |
| | 6-12 | 15-19 | 6.2-7.3 | 0 | 0 | 0 |
| | 12-18 | 18-27 | 6.2-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |
| 153: North Beach----- | 0-3 | 4.0-6.0 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 3-22 | 4.0-6.0 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 22-41 | 7.0-13 | 7.8-8.8 | 15-30 | 0.0-2.0 | 1-8 |
| | 41-50 | 1.0-13 | 7.6-8.8 | 5-25 | 0.0-2.0 | 1-8 |
| | 50-60 | 1.0-13 | 7.6-8.8 | 5-25 | 0.0-2.0 | 1-8 |
| 154: Nuffer----- | 0-2 | 13-25 | 7.9-8.6 | 5-10 | 0.0-2.0 | 0-5 |
| | 2-6 | 10-20 | 7.9-8.6 | 5-20 | 0.0-2.0 | 0-5 |
| | 6-16 | 10-20 | 7.9-8.6 | 5-20 | 0.0-2.0 | 0-5 |
| | 16-24 | 8.0-15 | 7.9-8.4 | 15-30 | 0 | 0-5 |
| | 24-33 | 2.0-9.0 | 7.9-8.4 | 5-25 | 0 | 0-5 |
| | 33-46 | 2.0-9.0 | 7.9-8.4 | 5-25 | 0 | 0-5 |
| | 46-63 | 2.0-9.0 | 7.9-8.4 | 5-25 | 0 | 0-5 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 154: Blackotter----- | 0-2 | 12-25 | 7.9-8.8 | 3-15 | 0.0-2.0 | 0-5 |
| | 2-8 | 12-25 | 8.2-9.0 | 5-20 | 0.0-2.0 | 0-5 |
| | 8-11 | 10-25 | 7.9-8.8 | 5-20 | 0.0-2.0 | 0-5 |
| | 11-20 | 6.0-15 | 8.0-8.8 | 15-40 | 0 | 0-5 |
| | 20-37 | 6.0-15 | 8.0-8.8 | 15-40 | 0 | 0-5 |
| | 37-50 | 1.0-4.0 | 7.6-8.7 | 5-15 | 0 | 0-5 |
| | 50-61 | 1.0-4.0 | 7.6-8.7 | 5-15 | 0 | 0-5 |
| 155: Nythar----- | 0-2 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 2-10 | 16-21 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-19 | 20-29 | 6.6-7.3 | 0 | 0 | 0 |
| | 19-29 | 22-29 | 6.6-7.3 | 0 | 0 | 0 |
| | 29-42 | 21-28 | 6.6-7.3 | 0 | 0 | 0 |
| | 42-60 | 17-28 | 6.6-7.3 | 0 | 0 | 0 |
| Sagollow----- | 0-4 | 17-26 | 6.2-7.2 | 0 | 0 | 0 |
| | 4-12 | 16-26 | 6.2-7.2 | 0 | 0 | 0 |
| | 12-22 | 16-28 | 6.2-7.2 | 0 | 0 | 0 |
| | 22-26 | 18-25 | 6.6-7.4 | 0 | 0 | 0 |
| | 26-45 | 18-25 | 6.6-7.4 | 0 | 0 | 0 |
| | 45-60 | 18-31 | 6.6-7.4 | 0 | 0 | 0 |
| 156: Ovidcreek----- | 0-2 | 11-16 | 7.8-8.4 | 5-25 | 0.0-2.0 | 1-7 |
| | 2-5 | 11-16 | 7.8-8.4 | 5-25 | 0.0-2.0 | 1-10 |
| | 5-11 | 24-31 | 8.6-9.0 | 5-25 | 0.0-2.0 | 15-25 |
| | 11-17 | 23-31 | 8.6-9.0 | 10-30 | 2.0-4.0 | 15-30 |
| | 17-24 | 11-20 | 8.6-9.6 | 25-45 | 2.0-4.0 | 10-30 |
| | 24-38 | 23-30 | 8.6-9.6 | 20-45 | 2.0-4.0 | 10-50 |
| | 38-61 | 11-23 | 8.6-9.6 | 25-45 | 2.0-4.0 | 10-50 |
| | 61-67 | 2.6-12 | 8.6-9.6 | 25-45 | 0.0-2.0 | 1-10 |
| 157: Parding----- | 0-5 | 10-20 | 7.4-7.8 | 0 | 0 | 0 |
| | 5-14 | 10-20 | 7.4-7.8 | 0 | 0 | 0 |
| | 14-22 | 5.0-15 | 7.9-8.5 | 20-35 | 0 | 0 |
| | 22-27 | 5.0-15 | 7.9-8.6 | 20-47 | 0 | 0 |
| | 27-36 | 5.0-15 | 7.9-8.7 | 20-47 | 0.0-2.0 | 0-6 |
| | 36-48 | 5.0-15 | 7.9-8.7 | 20-47 | 0.0-2.0 | 0-6 |
| | 48-60 | 5.0-15 | 7.9-8.6 | 20-45 | 0 | 0 |
| Firading----- | 0-4 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 4-11 | 10-15 | 7.4-7.8 | 0 | 0 | 0 |
| | 11-18 | 5.0-15 | 7.6-8.4 | 5-25 | 0 | 0 |
| | 18-28 | 5.0-15 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 28-39 | 5.0-15 | 8.0-8.4 | 20-40 | 0 | 0 |
| | 39-60 | — | — | — | — | — |
| Hagenbarth----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 158: | | | | | | |
| Parding, dry----- | 0-5 | 10-20 | 7.4-7.8 | 0 | 0 | 0 |
| | 5-14 | 10-20 | 7.4-7.8 | 0 | 0 | 0 |
| | 14-22 | 5.0-15 | 7.9-8.5 | 20-35 | 0 | 0 |
| | 22-27 | 5.0-15 | 7.9-8.6 | 20-47 | 0 | 0 |
| | 27-36 | 5.0-15 | 7.9-8.7 | 20-47 | 0.0-2.0 | 0-6 |
| | 36-48 | 5.0-15 | 7.9-8.7 | 20-47 | 0.0-2.0 | 0-6 |
| | 48-60 | 5.0-15 | 7.9-8.6 | 20-45 | 0 | 0 |
| Firading, dry----- | 0-4 | 10-20 | 6.6-7.8 | 0 | 0 | 0 |
| | 4-11 | 10-15 | 7.4-7.8 | 0 | 0 | 0 |
| | 11-18 | 5.0-15 | 7.6-8.4 | 5-25 | 0 | 0 |
| | 18-28 | 5.0-15 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 28-39 | 5.0-15 | 8.0-8.4 | 20-40 | 0 | 0 |
| | 39-60 | — | — | — | — | — |
| Hagenbarth, dry----- | 0-3 | 10-20 | 6.1-7.6 | 0 | 0 | 0-3 |
| | 3-13 | 10-20 | 6.3-7.6 | 0 | 0 | 0-3 |
| | 13-20 | 10-20 | 6.3-7.8 | 0 | 0 | 0-3 |
| | 20-44 | 10-20 | 6.6-7.8 | 0 | 0 | 0-3 |
| | 44-61 | 15-20 | 6.8-7.8 | 0 | 0 | 0-3 |
| 159: | | | | | | |
| Pegram----- | 0-6 | 13-20 | 6.8-7.4 | 0 | 0 | 0 |
| | 6-14 | 25-35 | 7.4-7.8 | 0 | 0 | 0 |
| | 14-21 | 25-35 | 7.4-7.8 | 0 | 0 | 0 |
| | 21-28 | 25-35 | 7.6-8.0 | 2-5 | 0 | 0 |
| | 28-39 | 25-30 | 7.7-8.4 | 15-25 | 0 | 0 |
| | 39-50 | 13-22 | 7.9-8.4 | 15-25 | 0.0-2.0 | 0-5 |
| | 50-61 | 0.0-8.0 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0-5 |
| 160: | | | | | | |
| Pinegap----- | 0-2 | 9.0-20 | 7.4-7.8 | 0-5 | 0 | 0 |
| | 2-6 | 10-20 | 7.8-8.2 | 10-25 | 0 | 0 |
| | 6-15 | 10-25 | 7.9-8.5 | 25-40 | 0 | 0 |
| | 15-25 | 10-25 | 7.9-8.5 | 25-40 | 0 | 0 |
| | 25-50 | 10-20 | 7.9-8.5 | 15-25 | 0.0-2.0 | 0 |
| | 50-55 | 10-20 | 7.9-8.5 | 15-25 | 0.0-2.0 | 0 |
| | 55-60 | — | — | — | — | — |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| 161: | | | | | | |
| Pinehollow----- | 0-2 | 18-24 | 5.9-7.0 | 0 | 0 | 0 |
| | 2-7 | 18-24 | 5.9-7.0 | 0 | 0 | 0 |
| | 7-16 | 15-24 | 6.1-7.0 | 0 | 0 | 0 |
| | 16-22 | 15-24 | 6.1-7.2 | 0 | 0 | 0 |
| | 22-26 | 13-20 | 7.8-8.2 | 3-15 | 0 | 0 |
| | 26-60 | — | — | — | — | — |
| Ant Flat----- | 0-2 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-5 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-9 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-25 | 25-45 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-38 | 20-30 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | 20-30 | 7.8-8.4 | 15-35 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 161: Sheep Creek----- | 0-5 | 8.0-25 | 6.8-7.3 | 0 | 0 | 0 |
| | 5-11 | 7.0-23 | 6.8-7.8 | 0 | 0 | 0 |
| | 11-21 | 10-26 | 6.8-7.8 | 0 | 0.0-2.0 | 0 |
| | 21-33 | 7.0-24 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 33-38 | 10-17 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | — | — | — | — | — |
| 162: Pits, gravel. | | | | | | |
| 163: Pontuge----- | 0-3 | 10-20 | 6.4-7.3 | 0 | 0 | 0 |
| | 3-10 | 10-20 | 6.5-7.3 | 0 | 0 | 0 |
| | 10-17 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 17-21 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 21-24 | 10-15 | 7.6-8.2 | 15-40 | 0 | 0 |
| | 24-42 | 5.0-15 | 8.0-8.5 | 15-40 | 0 | 0 |
| | 42-60 | 2.0-10 | 7.9-8.5 | 15-40 | 0 | 0 |
| Cokeville----- | 0-2 | 10-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 2-5 | 15-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 5-9 | 20-25 | 7.4-8.2 | 0-5 | 0 | 0 |
| | 9-15 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 15-31 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 31-43 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 43-56 | 25-30 | 7.9-8.4 | 20-40 | 0 | 0 |
| | 56-60 | — | — | — | — | — |
| 164: Preussrange----- | 0-4 | 5.0-15 | 7.8-8.4 | 20-40 | 0 | 0-8 |
| | 4-9 | 5.0-15 | 7.8-8.4 | 20-40 | 0 | 0-8 |
| | 9-13 | 10-20 | 7.9-8.4 | 20-40 | 0 | 0-8 |
| | 13-17 | 10-20 | 7.8-8.4 | 20-40 | 0 | 0-8 |
| | 17-25 | 1.0-5.0 | 8.0-8.4 | 15-35 | 0 | 0 |
| | 25-60 | — | — | — | — | — |
| Halfcircle----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-7 | 11-20 | 7.4-7.8 | 0 | 0.0-2.0 | 0-3 |
| | 7-16 | 15-21 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0-3 |
| | 16-22 | 5.0-15 | 7.9-8.4 | 15-30 | 0.0-2.0 | 0-8 |
| | 22-42 | 5.0-15 | 7.9-8.4 | 15-40 | 0.0-2.0 | 0-8 |
| | 42-60 | — | — | — | — | — |
| 165: Prucree----- | 0-2 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-19 | 7.0-15 | 6.6-7.6 | 0 | 0 | 0 |
| | 19-28 | 7.0-15 | 6.6-7.6 | 0 | 0 | 0 |
| | 28-29 | — | — | — | — | — |
| | 29-60 | — | — | — | — | — |
| Dipcreek----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 166: Raynal----- | 0-10 | 25-40 | 7.6-8.0 | 5-15 | 0 | 0-5 |
| | 10-22 | 15-35 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 22-29 | 15-35 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 29-35 | 15-35 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 35-40 | 15-30 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 40-46 | 15-30 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 46-60 | 14-20 | 7.8-8.4 | 5-15 | 0 | 0-5 |
| 167: Raynal----- | 0-10 | 25-40 | 7.6-8.0 | 5-15 | 0 | 0-5 |
| | 10-22 | 15-35 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 22-29 | 15-35 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 29-35 | 15-35 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 35-40 | 15-30 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 40-46 | 15-30 | 7.9-8.4 | 5-15 | 0 | 0-5 |
| | 46-60 | 14-20 | 7.8-8.4 | 5-15 | 0 | 0-5 |
| Lago----- | 0-8 | 15-25 | 7.8-8.4 | 15-30 | 0 | 0-5 |
| | 8-13 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 13-19 | 15-25 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 19-29 | 15-30 | 7.9-8.4 | 20-40 | 0 | 0-5 |
| | 29-38 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 38-45 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 45-55 | 15-30 | 7.9-8.6 | 15-35 | 0 | 0-5 |
| | 55-60 | 4.0-15 | 7.9-8.6 | 5-25 | 0 | 0-5 |
| 168: Ream----- | 0-3 | 10-20 | 7.6-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 3-13 | 10-20 | 7.6-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 13-19 | 7.0-20 | 7.9-8.6 | 15-25 | 2.0-8.0 | 0-5 |
| | 19-24 | 7.0-20 | 7.9-8.6 | 15-30 | 2.0-8.0 | 0-5 |
| | 24-29 | 7.0-20 | 7.9-8.6 | 15-30 | 2.0-8.0 | 0-5 |
| | 29-34 | 2.0-10 | 7.9-8.6 | 2-10 | 2.0-8.0 | 0-5 |
| | 34-50 | 0.0-4.0 | 7.9-8.4 | 2-10 | 2.0-8.0 | 0-2 |
| | 50-61 | 0.0-4.0 | 7.9-8.4 | 2-10 | 2.0-8.0 | 0-2 |
| Merkley----- | 0-2 | 9.0-20 | 7.9-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 2-12 | 9.0-20 | 7.9-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 12-20 | 6.0-20 | 7.9-8.6 | 15-40 | 2.0-4.0 | 0-5 |
| | 20-28 | 6.0-20 | 7.9-8.6 | 15-45 | 2.0-4.0 | 0-5 |
| | 28-36 | 6.0-20 | 7.9-8.6 | 15-40 | 2.0-4.0 | 0-5 |
| | 36-40 | 4.0-11 | 7.9-8.6 | 10-30 | 2.0-4.0 | 0-5 |
| | 40-53 | 1.0-8.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| | 53-56 | 1.0-8.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| | 56-61 | 1.0-4.0 | 7.8-8.6 | 0-10 | 2.0-4.0 | 0-5 |
| 169: Redpine----- | 0-4 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-10 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-16 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 16-22 | 18-24 | 6.6-7.3 | 0 | 0 | 0 |
| | 22-26 | 14-20 | 7.8-8.4 | 15-25 | 0.0-1.0 | 0 |
| | 26-60 | — | — | — | — | — |
| Draney----- | 0-6 | 13-14 | 7.6-8.0 | 10-20 | 0 | 0 |
| | 6-12 | 11-13 | 7.8-8.4 | 25-35 | 0 | 0 |
| | 12-18 | 11-14 | 7.9-8.4 | 25-35 | 0 | 0 |
| | 18-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 169: Brushtop----- | 0-6 | 15-22 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-12 | 14-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-19 | 16-23 | 6.6-7.3 | 0 | 0 | 0 |
| | 19-26 | 16-23 | 6.6-7.3 | 0 | 0 | 0 |
| | 26-43 | 21-27 | 6.6-7.3 | 0 | 0 | 0 |
| | 43-60 | — | — | — | — | — |
| 170: Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| 171: Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| 172: Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| 173: Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Kucera----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 174: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Kucera----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |
| 175: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Kucera----- | 0-6 | 9.1-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 6-16 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 16-26 | 9.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 26-34 | 8.6-14 | 7.4-7.8 | 0 | 0 | 0 |
| | 34-44 | 4.1-10 | 7.8-8.4 | 10-35 | 0.0-1.0 | 0-2 |
| | 44-60 | 4.1-10 | 7.8-8.5 | 10-35 | 0.0-1.0 | 0-2 |
| 176: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Ririe----- | 0-7 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 7-14 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 14-19 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 19-33 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 33-45 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 45-60 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| 177: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Ririe----- | 0-7 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 7-14 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 14-19 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 19-33 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 33-45 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 45-60 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 178: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Ririe----- | 0-7 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 7-14 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 14-19 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 19-33 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 33-45 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 45-60 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| 179: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Watercanyon----- | 0-4 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 4-11 | 6.0-15 | 7.8-8.4 | 5-20 | 0.0-2.0 | 0-5 |
| | 11-23 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 23-32 | 5.0-13 | 7.9-8.6 | 20-35 | 0.0-2.0 | 0-5 |
| | 32-60 | 3.0-12 | 7.9-8.8 | 15-30 | 2.0-4.0 | 2-10 |
| 180: | | | | | | |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 181: | | | | | | |
| Richollow----- | 0-7 | 10-22 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 7-13 | 6.0-15 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-60 | — | — | — | — | — |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 182: | | | | | | |
| Richollow----- | 0-7 | 10-22 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 7-13 | 6.0-15 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 182: Ledgehollow----- | 0-4 | 13-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 14-22 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-15 | 14-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-60 | — | — | — | — | — |
| 183: Ririe----- | 0-7 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 7-14 | 10-20 | 7.3-7.8 | 0 | 0 | 0 |
| | 14-19 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 19-33 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 33-45 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 45-60 | 7.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0 |
| Iphil----- | 0-5 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 5-13 | 7.0-15 | 7.6-8.4 | 5-15 | 0.0-2.0 | 0 |
| | 13-30 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 30-45 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 45-52 | 6.0-15 | 7.7-8.4 | 15-35 | 0.0-2.0 | 0-8 |
| | 52-60 | 6.0-15 | 7.7-8.6 | 15-35 | 0.0-2.0 | 0-8 |
| 184: Sadducee----- | 0-6 | 11-25 | 7.8-8.0 | 10-30 | 0.0-2.0 | 0 |
| | 6-10 | 8.0-25 | 7.8-8.2 | 15-30 | 0.0-2.0 | 0 |
| | 10-17 | 14-24 | 7.8-8.2 | 10-30 | 0.0-2.0 | 0 |
| | 17-25 | 14-25 | 7.6-8.2 | 10-30 | 0.0-2.0 | 0 |
| | 25-49 | 14-25 | 7.6-8.0 | 2-15 | 0.0-2.0 | 0 |
| | 49-60 | 3.0-25 | 7.4-8.0 | 2-15 | 0.0-2.0 | 0 |
| Bearbeach----- | 0-3 | 40-170 | 7.0-7.8 | 0 | 0 | 0 |
| | 3-6 | 11-15 | 7.9-8.4 | 5-15 | 0 | 0 |
| | 6-15 | 1.2-6.1 | 7.9-8.4 | 5-10 | 0 | 0 |
| | 15-60 | 0.7-5.3 | 7.9-8.4 | 5-10 | 0 | 0 |
| 185: Sheep Creek, dry----- | 0-5 | 8.0-25 | 6.8-7.3 | 0 | 0 | 0 |
| | 5-11 | 7.0-23 | 6.8-7.8 | 0 | 0 | 0 |
| | 11-21 | 10-26 | 6.8-7.8 | 0 | 0.0-2.0 | 0 |
| | 21-33 | 7.0-24 | 7.6-8.2 | 5-15 | 0 | 0 |
| | 33-38 | 10-17 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | — | — | — | — | — |
| Taylow, dry----- | 0-6 | 17-25 | 5.8-7.0 | 0 | 0 | 0 |
| | 6-13 | 15-22 | 6.0-7.0 | 0 | 0 | 0 |
| | 13-60 | — | — | — | — | — |
| Dry Canyon, dry----- | 0-3 | 14-23 | 5.6-6.5 | 0 | 0 | 0 |
| | 3-10 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 10-18 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 18-25 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-38 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-48 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 48-53 | 11-15 | 5.8-7.3 | 0 | 0 | 0 |
| | 53-60 | — | — | — | — | — |
| 186: Slights----- | 0-5 | 15-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-12 | 15-26 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-20 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| | 20-39 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |
| | 39-60 | 25-42 | 6.6-7.3 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 186: Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 187: Springhollow----- | 0-3 | 7.0-15 | 7.9-8.4 | 10-20 | 0.0-2.0 | 0 |
| | 3-11 | 7.0-15 | 7.9-8.4 | 10-20 | 0.0-2.0 | 0 |
| | 11-19 | 6.0-13 | 7.9-8.4 | 40-50 | 0.0-2.0 | 0-2 |
| | 19-29 | 6.0-12 | 7.9-8.4 | 40-50 | 0.0-2.0 | 0-2 |
| | 29-36 | 6.0-12 | 7.9-8.4 | 40-50 | 0.0-2.0 | 0-2 |
| | 36-40 | — | — | — | — | — |
| Arbone----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 188: Springhollow, dry---- | 0-3 | 7.0-15 | 7.9-8.4 | 10-20 | 0.0-2.0 | 0 |
| | 3-11 | 7.0-15 | 7.9-8.4 | 10-20 | 0.0-2.0 | 0 |
| | 11-19 | 6.0-13 | 7.9-8.4 | 40-50 | 0.0-2.0 | 0-2 |
| | 19-29 | 6.0-12 | 7.9-8.4 | 40-50 | 0.0-2.0 | 0-2 |
| | 29-36 | 6.0-12 | 7.9-8.4 | 40-50 | 0.0-2.0 | 0-2 |
| | 36-40 | — | — | — | — | — |
| Arbone, dry----- | 0-5 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 5-9 | 7.0-15 | 6.6-7.2 | 0 | 0 | 0 |
| | 9-18 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 18-34 | 7.0-15 | 7.8-8.4 | 5-25 | 0 | 0 |
| | 34-60 | 6.0-13 | 7.8-8.4 | 15-35 | 0 | 0 |
| 189: Sprollo----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| 190: Sprollo, dry----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 191: Sprollow----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| 192: Sprollow, dry----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |
| Mumford----- | 0-3 | 9.0-20 | 7.8-8.4 | 15-40 | 0.0-2.0 | 0-5 |
| | 3-6 | 7.0-15 | 7.9-8.4 | 35-50 | 0.0-2.0 | 0-5 |
| | 6-12 | 7.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 12-17 | 6.0-15 | 7.9-8.4 | 40-65 | 0.0-2.0 | 0-5 |
| | 17-60 | — | — | — | — | — |
| 193: Sprollow----- | 0-2 | 8.0-15 | 7.6-8.4 | 5-35 | 0.0-2.0 | 0-5 |
| | 2-7 | 6.0-10 | 7.7-8.4 | 5-30 | 0.0-2.0 | 0-5 |
| | 7-16 | 4.0-10 | 7.9-8.4 | 20-55 | 0.0-2.0 | 0-5 |
| | 16-24 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 24-34 | 4.0-10 | 7.9-8.4 | 40-75 | 0.0-2.0 | 0-5 |
| | 34-60 | — | — | — | — | — |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| Lonjon----- | 0-3 | 8.0-20 | 7.7-8.2 | 5-20 | 0.0-2.0 | 0-5 |
| | 3-12 | 6.0-15 | 7.8-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-26 | 4.0-10 | 7.9-8.4 | 40-60 | 0.0-2.0 | 0-5 |
| | 26-60 | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 194: | | | | | | |
| Streek----- | 0-5 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-11 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-16 | 20-32 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-45 | 25-42 | 6.1-7.3 | 0 | 0 | 0 |
| | 45-60 | 25-42 | 7.8-8.4 | 5-15 | 0 | 0 |
| Cleavage----- | 0-2 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 2-6 | 9.0-20 | 6.6-7.5 | 0 | 0 | 0 |
| | 6-9 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 9-14 | 14-24 | 6.6-7.5 | 0 | 0 | 0 |
| | 14-60 | — | — | — | — | — |
| 195: | | | | | | |
| Streek, moist----- | 0-5 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-11 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-16 | 20-32 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-45 | 25-42 | 6.1-7.3 | 0 | 0 | 0 |
| | 45-60 | 25-42 | 7.8-8.4 | 5-15 | 0 | 0 |
| Streek----- | 0-5 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-11 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-16 | 20-32 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-45 | 25-42 | 6.1-7.3 | 0 | 0 | 0 |
| | 45-60 | 25-42 | 7.8-8.4 | 5-15 | 0 | 0 |
| Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| 196: | | | | | | |
| Streek----- | 0-5 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-11 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-16 | 20-32 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-45 | 25-42 | 6.1-7.3 | 0 | 0 | 0 |
| | 45-60 | 25-42 | 7.8-8.4 | 5-15 | 0 | 0 |
| Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| 197: | | | | | | |
| Streek----- | 0-5 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 5-11 | 15-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-16 | 20-32 | 6.1-7.3 | 0 | 0 | 0 |
| | 16-45 | 25-42 | 6.1-7.3 | 0 | 0 | 0 |
| | 45-60 | 25-42 | 7.8-8.4 | 5-15 | 0 | 0 |
| Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 197: Sagollow----- | 0-4 | 17-26 | 6.2-7.2 | 0 | 0 | 0 |
| | 4-12 | 16-26 | 6.2-7.2 | 0 | 0 | 0 |
| | 12-22 | 16-28 | 6.2-7.2 | 0 | 0 | 0 |
| | 22-26 | 18-25 | 6.6-7.4 | 0 | 0 | 0 |
| | 26-45 | 18-25 | 6.6-7.4 | 0 | 0 | 0 |
| | 45-60 | 18-31 | 6.6-7.4 | 0 | 0 | 0 |
| 198: Suryon----- | 0-4 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-10 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-17 | 7.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 17-29 | 7.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 29-38 | 7.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 38-49 | 5.0-10 | 6.6-7.8 | 0 | 0 | 0 |
| | 49-60 | 5.0-10 | 6.6-7.8 | 0 | 0 | 0 |
| 199: Swan Flat----- | 0-5 | 17-25 | 7.4-8.0 | 2-10 | 0 | 0 |
| | 5-9 | 15-22 | 7.6-8.0 | 2-10 | 0 | 0 |
| | 9-15 | 7.0-15 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 15-30 | 7.0-12 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 30-56 | 7.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| | 56-60 | 7.0-11 | 7.8-8.4 | 15-35 | 0 | 0 |
| Dranburn----- | 0-2 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 2-11 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 11-17 | 14-19 | 6.1-7.3 | 0 | 0 | 0 |
| | 17-28 | 22-27 | 6.1-7.3 | 0 | 0 | 0 |
| | 28-38 | 21-26 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-60 | 13-19 | 6.1-7.3 | 0 | 0 | 0 |
| 200: Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| 201: Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| Ant Flat----- | 0-2 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-5 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-9 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-25 | 25-45 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-38 | 20-30 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | 20-30 | 7.8-8.4 | 15-35 | 0 | 0 |
| 202: Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 202: Cloudless----- | 0-4 | 13-16 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-8 | 13-16 | 6.6-7.3 | 0 | 0 | 0 |
| | 8-14 | 17-24 | 6.6-7.4 | 0 | 0 | 0 |
| | 14-32 | 17-23 | 6.6-7.4 | 0 | 0 | 0 |
| | 32-60 | 15-23 | 6.6-7.4 | 0 | 0 | 0 |
| 203: Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| Dutchcanyon----- | 0-7 | 9.0-20 | 7.7-8.4 | 10-20 | 0 | 0 |
| | 7-13 | 8.0-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-27 | 6.0-15 | 8.0-8.4 | 30-45 | 0.0-2.0 | 0-5 |
| | 27-61 | 5.0-10 | 8.0-8.4 | 45-80 | 0.0-2.0 | 0-5 |
| 204: Swanpeak----- | 0-6 | 15-25 | 6.6-7.3 | 0 | 0 | 0 |
| | 6-15 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 15-18 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-24 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 24-35 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| | 35-60 | 20-45 | 6.6-7.3 | 0 | 0 | 0 |
| Dutchcanyon----- | 0-7 | 9.0-20 | 7.7-8.4 | 10-20 | 0 | 0 |
| | 7-13 | 8.0-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 13-27 | 6.0-15 | 8.0-8.4 | 30-45 | 0.0-2.0 | 0-5 |
| | 27-61 | 5.0-10 | 8.0-8.4 | 45-80 | 0.0-2.0 | 0-5 |
| Ant Flat----- | 0-2 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-5 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 5-9 | 20-35 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-25 | 25-45 | 6.6-7.8 | 0 | 0 | 0 |
| | 25-38 | 20-30 | 7.8-8.4 | 10-25 | 0 | 0 |
| | 38-60 | 20-30 | 7.8-8.4 | 15-35 | 0 | 0 |
| 205: Thatcher----- | 0-10 | 5.0-15 | 7.1-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-19 | 11-21 | 7.4-7.8 | 0 | 0.0-2.0 | 0 |
| | 19-28 | 15-19 | 7.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 28-42 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| | 42-60 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| 206: Thatcher, dry----- | 0-10 | 5.0-15 | 7.1-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-19 | 11-21 | 7.4-7.8 | 0 | 0.0-2.0 | 0 |
| | 19-28 | 15-19 | 7.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 28-42 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| | 42-60 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| 207: Thatcher----- | 0-10 | 5.0-15 | 7.1-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-19 | 11-21 | 7.4-7.8 | 0 | 0.0-2.0 | 0 |
| | 19-28 | 15-19 | 7.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 28-42 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| | 42-60 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 207: Church Springs----- | 0-2 | 16-19 | 7.4-8.0 | 2-15 | 0 | 0 |
| | 2-11 | 14-18 | 7.4-8.0 | 2-15 | 0 | 0 |
| | 11-21 | 20-24 | 7.6-8.4 | 15-35 | 0.0-1.0 | 0-2 |
| | 21-30 | 19-24 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0-2 |
| | 30-60 | 12-17 | 7.9-8.4 | 15-35 | 0.0-1.0 | 0-2 |
| 208: Thatcher----- | 0-10 | 5.0-15 | 7.1-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-19 | 11-21 | 7.4-7.8 | 0 | 0.0-2.0 | 0 |
| | 19-28 | 15-19 | 7.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 28-42 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| | 42-60 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| Clegg----- | 0-8 | 15-25 | 6.6-7.5 | 0 | 0 | 0 |
| | 8-22 | 15-30 | 6.6-7.5 | 0 | 0 | 0 |
| | 22-28 | 15-30 | 6.8-7.8 | 0 | 0 | 0 |
| | 28-32 | 15-25 | 7.9-8.4 | 15-35 | 0.0-2.0 | 0 |
| | 32-60 | 15-25 | 7.9-8.4 | 5-25 | 0.0-2.0 | 0 |
| 209: Thatcher----- | 0-10 | 5.0-15 | 7.1-7.8 | 0 | 0.0-2.0 | 0 |
| | 10-19 | 11-21 | 7.4-7.8 | 0 | 0.0-2.0 | 0 |
| | 19-28 | 15-19 | 7.6-7.8 | 0 | 0.0-2.0 | 0 |
| | 28-42 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| | 42-60 | 15-19 | 7.9-8.6 | 15-35 | 1.0-3.0 | 0 |
| Joes----- | 0-7 | 12-20 | 7.4-8.4 | 2-10 | 0.0-2.0 | 0 |
| | 7-12 | 11-25 | 7.6-8.4 | 10-25 | 0.0-2.0 | 0-5 |
| | 12-20 | 11-25 | 7.8-8.4 | 15-30 | 0.0-2.0 | 0-5 |
| | 20-50 | 6.0-15 | 7.8-8.4 | 15-35 | 0.0-2.0 | 0-5 |
| | 50-60 | 6.0-15 | 7.8-8.4 | 10-35 | 0.0-2.0 | 0-5 |
| 210: Thatcherflats----- | 0-2 | 6.0-15 | 7.9-8.5 | 3-5 | 0.0-2.0 | 5-15 |
| | 2-5 | 6.0-15 | 7.9-8.6 | 3-5 | 0.0-2.0 | 5-15 |
| | 5-9 | 15-35 | 8.5-9.0 | 3-5 | 2.0-4.0 | 20-30 |
| | 9-11 | 15-30 | 8.5-9.6 | 5-25 | 4.0-8.0 | 45-120 |
| | 11-25 | 15-30 | 8.5-9.6 | 5-25 | 4.0-8.0 | 45-120 |
| | 25-45 | 6.0-15 | 8.5-9.4 | 20-35 | 4.0-8.0 | 75-95 |
| | 45-56 | 6.0-15 | 8.5-9.4 | 20-35 | 4.0-8.0 | 75-95 |
| | 56-60 | 6.0-15 | 8.5-9.4 | 20-35 | 4.0-8.0 | 75-95 |
| 211: Thomasfork----- | 0-2 | 45-50 | 7.5-7.8 | 2-15 | 0 | 0-5 |
| | 2-10 | 45-50 | 7.5-7.8 | 2-15 | 0 | 0-5 |
| | 10-16 | 30-55 | 7.6-8.4 | 5-35 | 0 | 0-5 |
| | 16-21 | 30-55 | 7.6-8.4 | 5-35 | 0 | 0-5 |
| | 21-28 | 30-50 | 7.4-8.4 | 0-30 | 0 | 0-5 |
| | 28-35 | 30-50 | 7.4-8.4 | 0-30 | 0 | 0-5 |
| | 35-48 | 30-50 | 7.4-8.4 | 0-30 | 0 | 0-5 |
| | 48-60 | 10-20 | 7.4-8.4 | 0-20 | 0 | 0-5 |
| 212: Toponce----- | 0-3 | 15-25 | 6.1-6.5 | 0 | 0 | 0 |
| | 3-20 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |
| | 20-24 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |
| | 24-36 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |
| | 36-60 | 15-35 | 5.6-6.5 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 212: Bailcreek----- | 0-1 | — | 4.5-5.5 | 0 | 0 | 0 |
| | 1-6 | 11-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 6-14 | 10-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 14-19 | 25-40 | 6.1-7.3 | 0 | 0 | 0 |
| | 19-32 | 24-45 | 6.1-7.3 | 0 | 0 | 0 |
| | 32-43 | 24-45 | 6.1-7.3 | 0 | 0 | 0 |
| | 43-60 | 24-45 | 7.6-8.1 | 5-15 | 0 | 0 |
| 213: Tubbs Hollow----- | 0-3 | 11-18 | 6.6-7.3 | 0 | 0 | 0 |
| | 3-12 | 10-16 | 6.6-7.3 | 0 | 0 | 0 |
| | 12-25 | 6.0-18 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-60 | — | — | — | — | — |
| Dry Canyon, dry----- | 0-3 | 14-23 | 5.6-6.5 | 0 | 0 | 0 |
| | 3-10 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 10-18 | 13-25 | 5.6-6.5 | 0 | 0 | 0 |
| | 18-25 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 25-38 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 38-48 | 18-25 | 6.1-7.3 | 0 | 0 | 0 |
| | 48-53 | 11-15 | 5.8-7.3 | 0 | 0 | 0 |
| | 53-60 | — | — | — | — | — |
| 214: Vicking----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |
| 215: Vicking----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |
| 216: Vicking----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |
| 217: Vicking, dry----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |
| 218: Vicking, dry----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 219: | | | | | | |
| Vicking----- | 0-8 | 10-20 | 7.4-7.6 | 0 | 0 | 0 |
| | 8-18 | 15-25 | 7.4-7.6 | 0 | 0 | 0 |
| | 18-31 | 15-25 | 7.7-8.4 | 2-10 | 0 | 0 |
| | 31-43 | 15-25 | 8.0-8.5 | 15-30 | 0 | 0 |
| | 43-60 | 10-20 | 8.0-8.6 | 15-35 | 0 | 0 |
| Cokeville----- | 0-2 | 10-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 2-5 | 15-20 | 7.4-8.0 | 0-5 | 0 | 0 |
| | 5-9 | 20-25 | 7.4-8.2 | 0-5 | 0 | 0 |
| | 9-15 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 15-31 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 31-43 | 15-25 | 7.9-8.4 | 15-40 | 0 | 0 |
| | 43-56 | 25-30 | 7.9-8.4 | 20-40 | 0 | 0 |
| | 56-60 | — | — | — | — | — |
| 220: | | | | | | |
| Vipont----- | 0-4 | 10-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-7 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 7-14 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 14-21 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 21-60 | — | — | — | — | — |
| Dipcreek----- | 0-4 | 8.0-17 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-9 | 8.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 9-18 | 7.0-14 | 6.6-7.3 | 0 | 0 | 0 |
| | 18-60 | — | — | — | — | — |
| 221: | | | | | | |
| Vipont----- | 0-4 | 10-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-7 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 7-14 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 14-21 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 21-60 | — | — | — | — | — |
| Prucree----- | 0-2 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 2-10 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-19 | 7.0-15 | 6.6-7.6 | 0 | 0 | 0 |
| | 19-28 | 7.0-15 | 6.6-7.6 | 0 | 0 | 0 |
| | 28-29 | — | — | — | — | — |
| | 29-60 | — | — | — | — | — |
| 222: | | | | | | |
| Vipont----- | 0-4 | 10-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-7 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 7-14 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 14-21 | 17-30 | 6.6-7.4 | 0 | 0 | 0 |
| | 21-60 | — | — | — | — | — |
| Suryon----- | 0-4 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 4-10 | 9.0-20 | 6.6-7.3 | 0 | 0 | 0 |
| | 10-17 | 7.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 17-29 | 7.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 29-38 | 7.0-15 | 6.6-7.8 | 0 | 0 | 0 |
| | 38-49 | 5.0-10 | 6.6-7.8 | 0 | 0 | 0 |
| | 49-60 | 5.0-10 | 6.6-7.8 | 0 | 0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 223: | | | | | | |
| Warshod----- | 0-3 | 10-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 3-9 | 10-20 | 6.4-7.3 | 0 | 0 | 0 |
| | 9-18 | 5.0-15 | 6.4-7.3 | 0 | 0 | 0 |
| | 18-37 | 5.0-15 | 6.3-7.3 | 0 | 0 | 0 |
| | 37-46 | 5.0-15 | 6.4-7.3 | 0 | 0 | 0 |
| | 46-60 | — | — | — | — | — |
| Slan----- | 0-2 | 5.0-15 | 7.6-8.4 | 5-10 | 0 | 0 |
| | 2-5 | 5.0-15 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 5-18 | 15-20 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 18-25 | 15-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 25-32 | 5.0-15 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 32-60 | — | — | — | — | — |
| 224: | | | | | | |
| Warshod, dry----- | 0-3 | 10-20 | 6.1-7.3 | 0 | 0 | 0 |
| | 3-9 | 10-20 | 6.4-7.3 | 0 | 0 | 0 |
| | 9-18 | 5.0-15 | 6.4-7.3 | 0 | 0 | 0 |
| | 18-37 | 5.0-15 | 6.3-7.3 | 0 | 0 | 0 |
| | 37-46 | 5.0-15 | 6.4-7.3 | 0 | 0 | 0 |
| | 46-60 | — | — | — | — | — |
| Slan, dry----- | 0-2 | 5.0-15 | 7.6-8.4 | 5-10 | 0 | 0 |
| | 2-5 | 5.0-15 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 5-18 | 15-20 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 18-25 | 15-20 | 7.8-8.4 | 15-30 | 0 | 0 |
| | 25-32 | 5.0-15 | 7.6-8.4 | 5-15 | 0 | 0 |
| | 32-60 | — | — | — | — | — |
| 225: | | | | | | |
| Water. | | | | | | |
| 226: | | | | | | |
| Water, miscellaneous. | | | | | | |
| 227: | | | | | | |
| Watkins Ridge, dry--- | 0-8 | 10-20 | 7.5-7.8 | 5-15 | 0 | 0 |
| | 8-14 | 10-20 | 7.5-7.8 | 5-15 | 0 | 0 |
| | 14-26 | 15-20 | 7.9-8.6 | 15-30 | 0 | 0 |
| | 26-45 | 15-20 | 7.9-8.6 | 15-30 | 0 | 0 |
| | 45-60 | 15-20 | 7.9-8.6 | 15-30 | 0 | 0 |
| 228: | | | | | | |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 229: | | | | | | |
| Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 230: Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 231: Wursten, dry----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| 232: Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| Bearhollow----- | 0-6 | 7.0-15 | 7.9-8.4 | 25-40 | 0 | 0-8 |
| | 6-11 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 11-20 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 20-24 | 6.0-12 | 7.9-8.6 | 10-25 | 2.0-4.0 | 0-10 |
| | 24-33 | 3.0-12 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 33-44 | 1.0-6.0 | 7.9-8.6 | 20-30 | 2.0-4.0 | 0-10 |
| | 44-62 | 11-20 | 7.9-8.6 | 5-20 | 2.0-4.0 | 0-10 |
| 233: Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| 234: Wursten----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| Rexburg----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| 235: Wursten, dry----- | 0-3 | 9.1-13 | 7.8-8.2 | 2-10 | 0.0-2.0 | 0-5 |
| | 3-8 | 8.3-12 | 7.8-8.2 | 2-15 | 0.0-2.0 | 0-5 |
| | 8-31 | 8.6-12 | 7.8-8.4 | 10-30 | 0.0-2.0 | 0-5 |
| | 31-44 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |
| | 44-60 | 5.1-10 | 7.9-8.4 | 10-25 | 0.0-4.0 | 5-12 |

Soil Survey of Bear Lake County Area, Idaho

Chemical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Cation- exchange capacity | Soil reaction | Calcium carbon- ate | Salinity | Sodium adsorption ratio |
|--------------------------------|-------|---------------------------------|------------------|---------------------------|----------|-------------------------------|
| | In | meq/100 g | pH | Pct | mmhos/cm | |
| 235: Rexburg, dry----- | 0-7 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 7-13 | 7.0-15 | 7.0-7.6 | 0 | 0 | 0 |
| | 13-25 | 8.0-15 | 7.3-7.6 | 0 | 0 | 0 |
| | 25-31 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 31-47 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |
| | 47-60 | 5.0-10 | 8.0-8.4 | 15-30 | 0.0-2.0 | 0 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 1: Ant Flat----- | 75 | Very limited Shrink-swell | 1.00 | Somewhat limited Shrink-swell | 0.50 | Very limited Shrink-swell | 1.00 |
| 2: Ant Flat----- | 80 | Very limited Shrink-swell Slope | 1.00 0.01 | Somewhat limited Shrink-swell Slope | 0.50 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| 3: Ant Flat----- | 80 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 1.00 |
| 4: Arbone----- | 85 | Not limited | | Not limited | | Not limited | |
| 5: Arbone----- | 80 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 6: Arbone, dry----- | 80 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 7: Arbone----- | 60 | Not limited | | Not limited | | Not limited | |
| Wursten----- | 25 | Not limited | | Not limited | | Not limited | |
| 8: Arbone----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Wursten----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 9: Arbone, dry----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Wursten, dry----- | 35 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 10: Bailcreek----- | 75 | Very limited Shrink-swell Too steep Large stones | 1.00 1.00 0.92 | Very limited Shrink-swell Too steep Large stones | 1.00 1.00 0.92 | Very limited Slope Shrink-swell Large stones | 1.00 1.00 0.92 |
| Dranburn----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 11: Bailcreek----- | 55 | Very limited Shrink-swell Large stones Slope | 1.00 0.92 0.63 | Very limited Shrink-swell Large stones Slope | 1.00 0.92 0.63 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.92 |
| Toponce----- | 40 | Very limited Shrink-swell Slope | 1.00 0.63 | Very limited Shrink-swell Slope | 1.00 0.63 | Very limited Shrink-swell Slope | 1.00 1.00 |
| 12: Bancroft----- | 80 | Not limited | | Not limited | | Not limited | |
| 13: Bancroft----- | 80 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 14: Bancroft----- | 85 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 15: Bear Lake----- | 55 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 |
| Bear Lake, ponded----- | 25 | Very limited Ponding Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Ponding Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Ponding Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 0.50 |
| 16: Bear Lake----- | 40 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 |
| Chesbrook----- | 25 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 |
| La Roco----- | 15 | Very limited Flooding Shrink-swell | 1.00 0.44 | Very limited Flooding Depth to saturated zone | 1.00 0.99 | Very limited Flooding Shrink-swell | 1.00 0.44 |
| 17: Bear Lake----- | 50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 17: Lago----- | 35 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 |
| 18: Bearbou----- | 85 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 |
| 19: Bearhollow----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Shrink-swell Slope | 0.50 0.01 | Very limited Slope | 1.00 |
| Brifox----- | 25 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Iphil----- | 20 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 20: Bearhollow----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope | 1.00 |
| Brifox----- | 25 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Slope Shrink-swell | 1.00 1.00 |
| Iphil----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 21: Benning----- | 90 | Somewhat limited Shrink-swell | 0.50 | Not limited | | Somewhat limited Shrink-swell | 0.50 |
| 22: Bern----- | 90 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Depth to saturated zone Shrink-swell | 0.97 0.50 | Somewhat limited Shrink-swell | 0.50 |
| 23: Bezzant----- | 75 | Somewhat limited Shrink-swell Slope | 0.50 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 24: Bezzant----- | 45 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Swanpeak----- | 45 | Very limited Shrink-swell Large stones Slope | 1.00 0.02 0.01 | Very limited Shrink-swell Large stones Slope | 1.00 0.02 0.01 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 25: Bischoff----- | 55 | Very limited Too steep Shrink-swell | 1.00 0.99 | Very limited Too steep Shrink-swell | 1.00 1.00 | Very limited Slope Shrink-swell | 1.00 0.99 |
| Hagenbarth----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 26: Bloomington----- | 80 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 |
| 27: Boundridge----- | 75 | Somewhat limited Depth to thin cemented pan Slope | 0.50 0.04 | Very limited Depth to thin cemented pan Slope | 1.00 0.04 | Very limited Depth to thin cemented pan Slope | 1.00 1.00 |
| Sweetcreek----- | 20 | Somewhat limited Slope | 0.04 | Somewhat limited Slope Depth to soft bedrock | 0.04 0.01 | Very limited Slope | 1.00 |
| 28: Boyd hollow----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Slan----- | 30 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell Depth to soft bedrock | 1.00 0.50 0.29 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Cokeville----- | 15 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 29: Brifox----- | 75 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Lizdale----- | 20 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 30: Brifox----- | 45 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Niter----- | 35 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| 31: Brifox----- | 45 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Slope Shrink-swell | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 31: Niter----- | 35 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Slope Shrink-swell | 1.00 1.00 |
| 32: Broadhead----- | 85 | Very limited Shrink-swell | 1.00 | Very limited Shrink-swell | 1.00 | Very limited Shrink-swell | 1.00 |
| 33: Broadhead----- | 80 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| 34: Broadhead----- | 40 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Slope Shrink-swell | 1.00 1.00 |
| Hades----- | 40 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Swanpeak----- | 20 | Very limited Shrink-swell Too steep Large stones | 1.00 1.00 0.02 | Very limited Shrink-swell Too steep Large stones | 1.00 1.00 0.02 | Very limited Slope Shrink-swell Large stones | 1.00 1.00 0.02 |
| 35: Buist----- | 85 | Somewhat limited Large stones | 0.09 | Somewhat limited Large stones | 0.09 | Somewhat limited Large stones | 0.09 |
| 36: Buist----- | 90 | Somewhat limited Large stones Slope | 0.09 0.01 | Somewhat limited Large stones Slope | 0.09 0.01 | Very limited Slope Large stones | 1.00 0.09 |
| 37: Buist, dry----- | 90 | Somewhat limited Large stones Slope | 0.09 0.01 | Somewhat limited Large stones Slope | 0.09 0.01 | Very limited Slope Large stones | 1.00 0.09 |
| 38: Buist----- | 90 | Somewhat limited Large stones | 0.08 | Somewhat limited Large stones | 0.08 | Somewhat limited Large stones | 0.08 |
| 39: Buist----- | 65 | Somewhat limited Large stones | 0.09 | Somewhat limited Large stones | 0.09 | Somewhat limited Large stones | 0.09 |
| Arbone----- | 30 | Not limited | | Not limited | | Not limited | |
| 40: Burchert----- | 60 | Very limited Too steep Shrink-swell | 1.00 0.44 | Very limited Too steep Depth to soft bedrock Shrink-swell | 1.00 0.46 0.44 | Very limited Slope Shrink-swell | 1.00 0.44 |
| Whitetop----- | 25 | Very limited Too steep Depth to soft bedrock | 1.00 0.50 | Very limited Too steep Depth to soft bedrock | 1.00 1.00 | Very limited Slope Depth to soft bedrock | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|--------------|---|----------------------|---------------------------------------|--------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 41: Cedarhill----- | 90 | Somewhat limited Slope Large stones | 0.84 0.29 | Somewhat limited Slope Large stones | 0.84 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| 42: Cedarhill, dry----- | 80 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| 43: Cedarhill----- | 50 | Somewhat limited Slope Large stones | 0.84 0.29 | Somewhat limited Slope Large stones | 0.84 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| Bearhollow----- | 40 | Somewhat limited Slope | 0.84 | Somewhat limited Slope Shrink-swell | 0.84 0.50 | Very limited Slope | 1.00 |
| 44: Cedarhill----- | 50 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| Buist----- | 35 | Very limited Too steep Large stones | 1.00 0.09 | Very limited Too steep Large stones | 1.00 0.09 | Very limited Slope Large stones | 1.00 0.09 |
| 45: Cedarhill----- | 60 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| Burchert----- | 35 | Very limited Too steep Shrink-swell | 1.00 0.44 | Very limited Too steep Depth to soft bedrock Shrink-swell | 1.00 0.46 0.44 | Very limited Slope Shrink-swell | 1.00 0.44 |
| 46: Cedarhill----- | 60 | Somewhat limited Slope Large stones | 0.84 0.29 | Somewhat limited Slope Large stones | 0.84 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| Clegg----- | 40 | Somewhat limited Slope Shrink-swell | 0.84 0.50 | Somewhat limited Slope | 0.84 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 47: Cedarhill----- | 45 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| Clegg----- | 30 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Drage----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Slope Shrink-swell | 1.00 0.68 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 48: | | | | | | | |
| Cedarhill, dry----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.29 | Large stones | 0.29 | Large stones | 0.29 |
| Pinehollow, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| | | Shrink-swell | 0.44 | Shrink-swell | 0.44 | Shrink-swell | 0.44 |
| | | Large stones | 0.05 | Large stones | 0.05 | Large stones | 0.05 |
| 49: | | | | | | | |
| Cedarhill----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.29 | Large stones | 0.29 | Large stones | 0.29 |
| Wursten----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 50: | | | | | | | |
| Chesbrook----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Flooding | 1.00 | Flooding | 1.00 | Flooding | 1.00 |
| | | Depth to | 1.00 | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| Bear Lake----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Flooding | 1.00 | Flooding | 1.00 | Flooding | 1.00 |
| | | Depth to | 1.00 | Depth to | 1.00 | Depth to | 1.00 |
| | | saturated zone | | saturated zone | | saturated zone | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 51: | | | | | | | |
| Chinhill----- | 80 | Not limited | | Not limited | | Not limited | |
| 52: | | | | | | | |
| Chokecherry----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |
| | | Large stones | 0.95 | Large stones | 0.95 | Large stones | 0.95 |
| Dranyon----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 53: | | | | | | | |
| Chokecherry----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.95 | Large stones | 0.95 | Large stones | 0.95 |
| Slights----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Sheep Creek----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Shrink-swell | 0.50 |
| | | Depth to hard | 0.01 | Too steep | 1.00 | Depth to hard | 0.01 |
| | | bedrock | | Shrink-swell | 0.50 | bedrock | |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|---------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 54: Chokecherry----- | 30 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 0.95 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 0.95 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 0.95 |
| Tubbs Hollow----- | 30 | Very limited Too steep Large stones Depth to hard bedrock | 1.00 1.00 0.84 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 0.97 | Very limited Slope Large stones Depth to hard bedrock | 1.00 0.97 0.84 |
| Sheep Creek, dry----- | 25 | Very limited Too steep Shrink-swell Depth to hard bedrock | 1.00 1.00 0.50 0.01 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Slope Shrink-swell Depth to hard bedrock | 1.00 1.00 0.50 0.01 |
| 55: Church Springs, dry----- | 55 | Somewhat limited Slope Shrink-swell | 0.84 0.50 | Somewhat limited Slope Shrink-swell | 0.84 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Monida, dry----- | 35 | Somewhat limited Slope | 0.84 | Somewhat limited Slope | 0.84 | Very limited Slope | 1.00 |
| 56: Cleavage----- | 70 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Shrink-swell | 1.00 1.00 1.00 0.50 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Somewhat limited Shrink-swell | 0.50 | Not limited | | Somewhat limited Shrink-swell | 0.50 |
| 58: Clegg----- | 90 | Somewhat limited Slope Shrink-swell | 0.63 0.50 | Somewhat limited Slope | 0.63 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 59: Clegg----- | 50 | Somewhat limited Slope Shrink-swell | 0.96 0.50 | Somewhat limited Slope | 0.96 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Grecan----- | 35 | Somewhat limited Slope Shrink-swell | 0.96 0.50 | Somewhat limited Slope Shrink-swell | 0.96 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 60: Cooley, dry----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Beehunt, dry----- | 30 | Very limited Too steep Large stones Shrink-swell | 1.00 1.00 0.97 0.50 | Very limited Too steep Large stones Shrink-swell | 1.00 1.00 0.97 0.50 | Very limited Slope Large stones Shrink-swell | 1.00 1.00 0.97 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 61: | | | | | | | |
| Crossley----- | 70 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| | | Large stones | 1.00 | Large stones | 1.00 | Large stones | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 62: | | | | | | | |
| Crossley----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Large stones | 1.00 | Large stones | 1.00 | Depth to hard bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Large stones | 1.00 |
| Whitetop----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to soft bedrock | 1.00 | Slope | 1.00 |
| | | Depth to soft bedrock | 0.50 | Too steep | 1.00 | Depth to soft bedrock | 1.00 |
| Rock outcrop----- | 10 | Not rated | | Not rated | | Not rated | |
| 63: | | | | | | | |
| Cupine----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.95 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 0.95 |
| Dunford----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.71 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 0.71 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 64: | | | | | | | |
| Cupine, dry----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.95 | Too steep | 1.00 | Depth to hard bedrock | 0.95 |
| Falula, dry----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| | | Large stones | 1.00 | Large stones | 1.00 | Slope | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Large stones | 1.00 |
| 65: | | | | | | | |
| Dennot, dry----- | 50 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.37 | Slope | 0.37 | Slope | 1.00 |
| Thatcher, dry----- | 40 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.37 | Slope | 0.37 | Slope | 1.00 |
| 66: | | | | | | | |
| Dingle----- | 80 | Very limited | | Very limited | | Very limited | |
| | | Subsidence | 1.00 | Subsidence | 1.00 | Subsidence | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Ponding | 1.00 | Ponding | 1.00 | Ponding | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 |
| 68: Dipcreek----- | 35 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock Large stones | 1.00 1.00 1.00 |
| Cutoff----- | 30 | Very limited Too steep Depth to hard bedrock | 1.00 0.95 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.95 |
| Sheep Creek----- | 20 | Very limited Too steep Shrink-swell Depth to hard bedrock | 1.00 0.50 0.01 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Slope Shrink-swell Depth to hard bedrock | 1.00 0.50 0.01 |
| 69: Dipcreek----- | 60 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Slope | 1.00 1.00 1.00 |
| Rock outcrop----- | 40 | Not rated | | Not rated | | Not rated | |
| 70: Dirtyhead----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep Depth to soft bedrock | 1.00 0.29 | Very limited Slope | 1.00 |
| Cedarhill----- | 30 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Too steep Large stones | 1.00 0.29 | Very limited Slope Large stones | 1.00 0.29 |
| 71: Dirtyhead----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep Depth to soft bedrock | 1.00 0.29 | Very limited Slope | 1.00 |
| Mumford----- | 30 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 |
| Dranburn----- | 25 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 72: Dollarhide----- | 90 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 |
| 73: Dollarhide----- | 60 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 |
| Grunder----- | 20 | Very limited Too steep Depth to hard bedrock Shrink-swell | 1.00 0.79 0.68 | Very limited Too steep Depth to hard bedrock Shrink-swell | 1.00 1.00 0.68 | Very limited Slope Depth to hard bedrock Shrink-swell | 1.00 0.79 0.68 |
| 74: Drage----- | 35 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Slope Shrink-swell | 1.00 0.68 |
| Causey----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Lilcan----- | 25 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 0.30 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 0.30 | Very limited Slope Depth to hard bedrock Large stones | 1.00 1.00 0.30 |
| 75: Dranburn----- | 50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Hoopgobel----- | 25 | Very limited Too steep Shrink-swell | 1.00 0.44 | Very limited Too steep Depth to soft bedrock Shrink-swell | 1.00 0.64 0.44 | Very limited Slope Shrink-swell | 1.00 0.44 |
| Ledgehollow----- | 25 | Very limited Too steep Shrink-swell Depth to soft bedrock | 1.00 0.68 0.50 | Very limited Depth to soft bedrock Too steep Shrink-swell | 1.00 1.00 0.68 | Very limited Slope Depth to soft bedrock Shrink-swell | 1.00 1.00 0.68 |
| 76: Dranburn----- | 60 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Pavohroo----- | 40 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Slope Shrink-swell | 1.00 0.68 |
| 77: Dranburn----- | 60 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|--------------|---|----------------------|---|--------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 77: Pontuge----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 78: Dranburn----- | 60 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Poulridge----- | 40 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Shrink-swell Depth to soft bedrock | 1.00 0.68 0.03 | Very limited Slope Shrink-swell | 1.00 0.68 |
| 79: Dranyon----- | 75 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 80: Dry Canyon, dry----- | 85 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 81: Dry Canyon, dry----- | 55 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Cutoff----- | 30 | Very limited Too steep Depth to hard bedrock | 1.00 0.95 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.95 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 84: Dutchcanyon----- | 45 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| Frenchollow----- | 35 | Very limited Shrink-swell Slope | 1.00 0.16 | Very limited Shrink-swell Slope | 1.00 0.16 | Very limited Shrink-swell Slope | 1.00 1.00 |
| 85: Every----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Preuss----- | 25 | Very limited Too steep | 1.00 | Very limited Too steep Depth to soft bedrock | 1.00 0.97 | Very limited Slope | 1.00 |
| 86: Every----- | 55 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 86: Preuss----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep Depth to soft bedrock | 1.00 0.97 | Very limited Slope | 1.00 |
| 87: Fishaven----- | 70 | Somewhat limited Slope Depth to hard bedrock | 0.96 0.71 | Very limited Depth to hard bedrock Slope | 1.00 0.96 | Very limited Slope Depth to hard bedrock | 1.00 0.71 |
| Dutchcanyon----- | 20 | Somewhat limited Slope | 0.96 | Somewhat limited Slope | 0.96 | Very limited Slope | 1.00 |
| 88: Frenchollow----- | 85 | Very limited Shrink-swell | 1.00 | Very limited Shrink-swell | 1.00 | Very limited Shrink-swell | 1.00 |
| 89: Frenchollow----- | 85 | Very limited Shrink-swell Slope | 1.00 0.63 | Very limited Shrink-swell Slope | 1.00 0.63 | Very limited Shrink-swell Slope | 1.00 1.00 |
| 90: Fury----- | 90 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 |
| 91: Georgecanyon----- | 90 | Not limited | | Not limited | | Not limited | |
| 92: Hades----- | 85 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 |
| 93: Hades----- | 85 | Somewhat limited Shrink-swell Slope | 0.50 0.01 | Somewhat limited Shrink-swell Slope | 0.50 0.01 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 94: Hades----- | 90 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 95: Hades----- | 60 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Horrocks----- | 25 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Depth to hard bedrock Shrink-swell | 1.00 0.93 0.68 | Very limited Slope Shrink-swell | 1.00 0.68 |
| 96: Hagenbarth----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|--------------|---|----------------------|---------------------------------------|--------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 96: Clegg----- | 40 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 97: Hagenbarth----- | 55 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Dranburn----- | 25 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 98: Hagenbarth----- | 55 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Horrocks----- | 30 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Depth to hard bedrock Shrink-swell | 1.00 0.93 0.68 | Very limited Slope Shrink-swell | 1.00 0.68 |
| 99: Hagenbarth----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Zeebar----- | 35 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Too steep Shrink-swell | 1.00 0.68 | Very limited Slope Shrink-swell | 1.00 0.68 |
| Dranburn----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 100: Hoopgobel----- | 55 | Very limited Too steep Shrink-swell | 1.00 0.44 | Very limited Too steep Depth to soft bedrock Shrink-swell | 1.00 0.64 0.44 | Very limited Slope Shrink-swell | 1.00 0.44 |
| Cadero----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep Depth to soft bedrock | 1.00 0.84 | Very limited Slope | 1.00 |
| 101: Hoopgobel----- | 65 | Very limited Too steep Shrink-swell | 1.00 0.44 | Very limited Too steep Depth to soft bedrock Shrink-swell | 1.00 0.64 0.44 | Very limited Slope Shrink-swell | 1.00 0.44 |
| Slights----- | 25 | Very limited Too steep Shrink-swell | 1.00 1.00 | Very limited Too steep Shrink-swell | 1.00 1.00 | Very limited Slope Shrink-swell | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 102: | | | | | | | |
| Horrocks----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.68 | Depth to hard bedrock | 0.93 | Shrink-swell | 0.68 |
| | | | | Shrink-swell | 0.68 | | |
| Cedarhill----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.29 | Large stones | 0.29 | Large stones | 0.29 |
| 103: | | | | | | | |
| Horrocks----- | 60 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Shrink-swell | 0.68 | Depth to hard bedrock | 0.93 | Slope | 1.00 |
| | | Slope | 0.04 | Shrink-swell | 0.68 | Shrink-swell | 0.68 |
| | | | | Slope | 0.04 | | |
| Cleavage----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Slope | 1.00 |
| | | Slope | 0.04 | Slope | 0.04 | Shrink-swell | 0.50 |
| 104: | | | | | | | |
| Horrocks----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.68 | Depth to hard bedrock | 0.93 | Shrink-swell | 0.68 |
| | | | | Shrink-swell | 0.68 | | |
| Cleavage----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Depth to hard bedrock | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 105: | | | | | | | |
| Hutchley----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| | | Large stones | 0.16 | Large stones | 0.16 | Large stones | 0.16 |
| Cupine----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard bedrock | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.95 | Too steep | 1.00 | Depth to hard bedrock | 0.95 |
| Vitale----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Large stones | 1.00 | Depth to hard bedrock | 1.00 | Large stones | 1.00 |
| | | Too steep | 1.00 | Large stones | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Too steep | 1.00 | Shrink-swell | 0.50 |
| | | Depth to hard bedrock | 0.46 | Shrink-swell | 0.50 | Depth to hard bedrock | 0.46 |
| 106: | | | | | | | |
| Iphil----- | 80 | Not limited | | Not limited | | Not limited | |
| 107: | | | | | | | |
| Iphil----- | 80 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.04 | Slope | 0.04 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 108: Iphil----- | 80 | Somewhat limited Slope | 0.96 | Somewhat limited Slope | 0.96 | Very limited Slope | 1.00 |
| 109: Iphil----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Lanoak----- | 30 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Watercanyon----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 110: Iphil----- | 50 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope | 1.00 |
| Watercanyon----- | 30 | Somewhat limited Slope | 0.37 | Somewhat limited Slope | 0.37 | Very limited Slope | 1.00 |
| 111: Iphil, dry----- | 50 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Watercanyon, dry----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 112: Ireland----- | 45 | Very limited Too steep Depth to hard bedrock | 1.00 0.90 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.90 |
| Falula----- | 35 | Very limited Too steep Depth to hard bedrock Large stones | 1.00 1.00 1.00 | Very limited Too steep Depth to hard bedrock Large stones | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock Large stones | 1.00 1.00 1.00 |
| Vicking----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 113: Jacanyon----- | 65 | Very limited Too steep Shrink-swell Depth to hard bedrock | 1.00 0.50 0.10 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Slope Shrink-swell Depth to hard bedrock | 1.00 0.50 0.10 |
| Cleavage----- | 25 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Slope Depth to hard bedrock Shrink-swell | 1.00 1.00 0.50 |
| 114: Jebo, dry----- | 40 | Very limited Too steep Depth to hard bedrock | 1.00 0.64 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.64 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|----------------------|---|----------------------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 114: Cokeville, dry----- | 30 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Dennot, dry----- | 20 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 115: Jebo----- | 55 | Very limited Too steep Depth to hard bedrock | 1.00 0.64 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.64 |
| Cupine----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 0.95 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.95 |
| 116: Jebo, dry----- | 55 | Very limited Too steep Depth to hard bedrock | 1.00 0.64 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.64 |
| Cupine, dry----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 0.95 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.95 |
| 117: Jebo----- | 55 | Very limited Too steep Depth to hard bedrock | 1.00 0.64 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.64 |
| Dipcreek----- | 35 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Slope | 1.00 1.00 1.00 |
| 118: Jebo, dry----- | 55 | Very limited Too steep Depth to hard bedrock | 1.00 0.64 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.64 |
| Dipcreek, dry----- | 35 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock Large stones | 1.00 1.00 1.00 |
| 119: Joess----- | 75 | Not limited | | Not limited | | Not limited | |
| 120: Joess----- | 75 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 121: Kucera----- | 90 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 122: Kucera----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Chausse----- | 25 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Rexburg----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 123: La Roco----- | 85 | Very limited Flooding Shrink-swell | 1.00 0.44 | Very limited Flooding Depth to saturated zone | 1.00 0.99 | Very limited Flooding Shrink-swell | 1.00 0.44 |
| 124: La Roco, saline----- | 85 | Somewhat limited Shrink-swell | 0.44 | Somewhat limited Depth to saturated zone | 0.99 | Somewhat limited Shrink-swell | 0.44 |
| 125: Lag----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Dollarhide----- | 35 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 |
| Rock outcrop----- | 15 | Not rated | | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Dranyon----- | 25 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 127: Lago----- | 85 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 |
| 128: Lago----- | 65 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 128: Bear Lake----- | 25 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 |
| 129: Lago----- | 60 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 |
| Merkley----- | 30 | Not limited | | Somewhat limited Depth to saturated zone | 0.53 | Not limited | |
| 130: Lanoak----- | 80 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 |
| 131: Lanoak----- | 85 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Slope Shrink-swell | 0.50 0.50 |
| 132: Lanoak----- | 85 | Somewhat limited Shrink-swell Slope | 0.50 0.16 | Somewhat limited Shrink-swell Slope | 0.50 0.16 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 133: Lanoak----- | 90 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 134: Lanoak----- | 60 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Arbone----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 135: Lanoak----- | 55 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 |
| Rexburg----- | 35 | Not limited | | Not limited | | Not limited | |
| 136: Leftfork----- | 60 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep Depth to hard bedrock | 1.00 1.00 0.84 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Cleavage----- | 25 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Shrink-swell | 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 137: | | | | | | | |
| Lilcan----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.30 | Large stones | 0.30 | Large stones | 0.30 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Shrink-swell | 0.50 |
| | | Depth to hard | 0.10 | Too steep | 1.00 | Depth to hard | 0.10 |
| | | bedrock | | Shrink-swell | 0.50 | bedrock | |
| 138: | | | | | | | |
| Lilcan----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | bedrock | | bedrock | | Depth to hard | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | bedrock | |
| | | Large stones | 0.30 | Large stones | 0.30 | Large stones | 0.30 |
| Watkins Ridge, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| Jacanyon----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Shrink-swell | 0.50 |
| | | Depth to hard | 0.10 | Too steep | 1.00 | Depth to hard | 0.10 |
| | | bedrock | | Shrink-swell | 0.50 | bedrock | |
| 139: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| Kucera----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Sprollo----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.15 | bedrock | | Depth to hard | 0.15 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| 140: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| Kucera, dry----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Sprollo, dry----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.15 | bedrock | | Depth to hard | 0.15 |
| | | bedrock | | Too steep | 1.00 | bedrock | |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 141: | | | | | | | |
| Lonjon----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| Monida----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Chokecherry----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 0.95 | Large stones | 0.95 | Large stones | 0.95 |
| 142: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | Depth to hard | 1.00 | Depth to hard | 0.79 |
| | | bedrock | | bedrock | | bedrock | |
| Mumford----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| 143: | | | | | | | |
| Lonjon----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| Sheep Creek----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Shrink-swell | 0.50 |
| | | Depth to hard | 0.01 | Too steep | 1.00 | Depth to hard | 0.01 |
| | | bedrock | | Shrink-swell | 0.50 | bedrock | |
| Dipcreek----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | bedrock | | bedrock | | Depth to hard | 1.00 |
| | | Large stones | 1.00 | Large stones | 1.00 | bedrock | |
| | | Too steep | 1.00 | Too steep | 1.00 | Large stones | 1.00 |
| 144: | | | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | Depth to hard | 1.00 | Depth to hard | 0.79 |
| | | bedrock | | bedrock | | bedrock | |
| Sprollow----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.15 | Depth to hard | 1.00 | Depth to hard | 0.15 |
| | | bedrock | | bedrock | | bedrock | |
| Mumford----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 145: Marshdale----- | 45 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 |
| Bloomcreek----- | 30 | Very limited Flooding Depth to saturated zone | 1.00 1.00 0.88 | Very limited Flooding Depth to saturated zone | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 0.88 |
| 146: Merkley----- | 85 | Not limited | | Somewhat limited Depth to saturated zone | 0.53 | Not limited | |
| 147: Millerditch----- | 60 | Very limited Flooding Depth to saturated zone | 1.00 1.00 0.01 | Very limited Flooding Depth to saturated zone | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 0.01 |
| Cookcan----- | 25 | Very limited Flooding Depth to saturated zone | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 1.00 |
| 148: Mumford----- | 90 | Very limited Depth to hard bedrock Slope | 1.00 0.16 | Very limited Depth to hard bedrock Slope | 1.00 0.16 | Very limited Depth to hard bedrock Slope | 1.00 1.00 |
| 149: Mumford----- | 60 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 1.00 |
| Spollow----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 0.15 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 0.15 |
| 150: Mumford----- | 60 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 1.00 |
| Spollow, dry----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 0.15 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 0.15 |
| 151: Mumford----- | 65 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 151: Sprollo, dry----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 0.15 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.15 |
| 152: Nielsen----- | 45 | Very limited Depth to hard bedrock Too steep Large stones Shrink-swell | 1.00 1.00 0.98 0.68 | Very limited Depth to hard bedrock Too steep Large stones Shrink-swell | 1.00 1.00 0.98 0.68 | Very limited Depth to hard bedrock Slope Large stones Shrink-swell | 1.00 1.00 0.98 0.68 |
| Dranburn----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Hagenbarth----- | 15 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 153: North Beach----- | 100 | Somewhat limited Depth to saturated zone Large stones | 0.88 0.56 | Very limited Depth to saturated zone Large stones | 1.00 0.56 | Somewhat limited Depth to saturated zone Large stones | 0.88 0.56 |
| 154: Nuffer----- | 45 | Very limited Flooding Depth to saturated zone | 1.00 0.39 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 0.39 |
| Blackotter----- | 35 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| 155: Nythar----- | 75 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.68 |
| Sagollow----- | 15 | Somewhat limited Shrink-swell Large stones Depth to saturated zone | 0.50 0.18 0.16 | Very limited Depth to saturated zone Shrink-swell Large stones | 1.00 0.50 0.18 | Somewhat limited Shrink-swell Large stones Depth to saturated zone | 0.50 0.18 0.16 |
| 156: Ovidcreek----- | 75 | Somewhat limited Shrink-swell | 0.99 | Somewhat limited Depth to saturated zone Shrink-swell | 0.93 0.38 | Somewhat limited Shrink-swell | 0.99 |
| 157: Parding----- | 40 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 157: | | | | | | | |
| Firading----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.01 | bedrock | | Depth to hard | 0.01 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| Hagenbarth----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 158: | | | | | | | |
| Parding, dry----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Firading, dry----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.01 | bedrock | | Depth to hard | 0.01 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| Hagenbarth, dry----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 159: | | | | | | | |
| Pegram----- | 80 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 160: | | | | | | | |
| Pinegap----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | | | Depth to hard | 0.08 | | |
| | | | | bedrock | | | |
| Lonjon----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | Depth to hard | 1.00 | Depth to hard | 0.79 |
| | | bedrock | | bedrock | | bedrock | |
| 161: | | | | | | | |
| Pinehollow----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | bedrock | | Too steep | 1.00 | bedrock | |
| | | Shrink-swell | 0.44 | Shrink-swell | 0.44 | Shrink-swell | 0.44 |
| | | Large stones | 0.05 | Large stones | 0.05 | Large stones | 0.05 |
| Ant Flat----- | 25 | Very limited | | Somewhat limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 0.50 | Shrink-swell | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |
| Sheep Creek----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Shrink-swell | 0.50 |
| | | Depth to hard | 0.01 | Too steep | 1.00 | Depth to hard | 0.01 |
| | | bedrock | | Shrink-swell | 0.50 | bedrock | |
| 162: | | | | | | | |
| Pits, gravel----- | 100 | Not rated | | Not rated | | Not rated | |
| 163: | | | | | | | |
| Pontuge----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|---|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 163: Cokeville----- | 40 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 164: Preussrange----- | 50 | Very limited Too steep Large stones | 1.00 0.01 | Very limited Too steep Depth to soft bedrock Large stones | 1.00 0.84 0.01 | Very limited Slope Large stones | 1.00 0.01 |
| Halfcircle----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 165: Prucree----- | 50 | Somewhat limited Slope Depth to hard bedrock | 0.63 0.54 | Very limited Depth to hard bedrock Depth to soft bedrock Slope | 1.00 0.64 0.63 | Very limited Slope Depth to hard bedrock | 1.00 0.54 |
| Dipcreek----- | 30 | Very limited Depth to hard bedrock Large stones Slope | 1.00 1.00 0.63 | Very limited Depth to hard bedrock Large stones Slope | 1.00 1.00 0.63 | Very limited Depth to hard bedrock Large stones Slope | 1.00 1.00 1.00 |
| 166: Raynal----- | 90 | Very limited Flooding Shrink-swell | 1.00 0.50 | Very limited Flooding Depth to saturated zone | 1.00 0.99 | Very limited Flooding Shrink-swell | 1.00 0.50 |
| 167: Raynal----- | 60 | Very limited Flooding Shrink-swell | 1.00 0.50 | Very limited Flooding Depth to saturated zone | 1.00 0.99 | Very limited Flooding Shrink-swell | 1.00 0.50 |
| Lago----- | 30 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 0.50 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 0.88 0.50 |
| 168: Ream----- | 55 | Not limited | | Somewhat limited Depth to saturated zone | 0.35 | Not limited | |
| Merkley----- | 30 | Not limited | | Somewhat limited Depth to saturated zone | 0.53 | Not limited | |
| 169: Redpine----- | 45 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Depth to soft bedrock Shrink-swell | 1.00 0.79 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 169: | | | | | | | |
| Draney----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to soft | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Depth to soft | 1.00 |
| | | Depth to soft | 0.50 | Too steep | 1.00 | bedrock | |
| | | bedrock | | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| Brushtop----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 170: | | | | | | | |
| Rexburg----- | 80 | Not limited | | Not limited | | Not limited | |
| 171: | | | | | | | |
| Rexburg----- | 55 | Not limited | | Not limited | | Not limited | |
| Iphil----- | 25 | Not limited | | Not limited | | Not limited | |
| 172: | | | | | | | |
| Rexburg----- | 50 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.50 |
| Iphil----- | 25 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.50 |
| 173: | | | | | | | |
| Rexburg----- | 65 | Not limited | | Not limited | | Not limited | |
| Kucera----- | 25 | Not limited | | Not limited | | Not limited | |
| 174: | | | | | | | |
| Rexburg----- | 55 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| Kucera----- | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| 175: | | | | | | | |
| Rexburg----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Kucera----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 176: | | | | | | | |
| Rexburg----- | 55 | Not limited | | Not limited | | Not limited | |
| Ririe----- | 35 | Not limited | | Not limited | | Not limited | |
| 177: | | | | | | | |
| Rexburg----- | 50 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.50 |
| Ririe----- | 25 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.50 |
| 178: | | | | | | | |
| Rexburg----- | 50 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |
| Ririe----- | 30 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 179: Rexburg----- | 55 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Watercanyon----- | 30 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 180: Rexburg----- | 50 | Not limited | | Not limited | | Somewhat limited Slope | 0.88 |
| Wursten----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.88 |
| 181: Richollow----- | 70 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 1.00 0.11 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 1.00 0.11 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 0.11 |
| Dranburn----- | 20 | Very limited Too steep Shrink-swell | 1.00 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 1.00 0.50 |
| 182: Richollow----- | 55 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 1.00 0.11 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 1.00 0.11 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 0.11 |
| Ledgehollow----- | 30 | Very limited Too steep Shrink-swell Depth to soft bedrock | 1.00 1.00 0.68 0.50 | Very limited Depth to soft bedrock Too steep Shrink-swell | 1.00 1.00 1.00 0.68 | Very limited Depth to soft bedrock Slope Shrink-swell | 1.00 1.00 1.00 0.68 |
| 183: Ririe----- | 40 | Not limited | | Not limited | | Not limited | |
| Iphil----- | 35 | Not limited | | Not limited | | Not limited | |
| 184: Sadducee----- | 55 | Very limited Depth to saturated zone Shrink-swell | 1.00 1.00 0.44 | Very limited Depth to saturated zone Shrink-swell | 1.00 1.00 0.44 | Very limited Depth to saturated zone Shrink-swell | 1.00 1.00 0.44 |
| Bearbeach----- | 45 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 185: Sheep Creek, dry----- | 40 | Very limited Too steep Shrink-swell Depth to hard bedrock | 1.00 1.00 0.50 0.01 | Very limited Depth to hard bedrock Too steep Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Slope Shrink-swell Depth to hard bedrock | 1.00 1.00 0.50 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 185: Taylow, dry----- | 25 | Very limited Too steep Depth to hard bedrock Shrink-swell | 1.00 1.00 0.22 | Very limited Too steep Depth to hard bedrock Shrink-swell | 1.00 1.00 0.22 | Very limited Slope Depth to hard bedrock Shrink-swell | 1.00 1.00 0.22 |
| Dry Canyon, dry----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 186: Slight----- | 65 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Dranburn----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 187: Springhollow----- | 45 | Not limited | | Not limited | | Somewhat limited Slope | 0.88 |
| Arbone----- | 40 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 188: Springhollow, dry----- | 45 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| Arbone, dry----- | 40 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 189: Spollow----- | 55 | Very limited Too steep Depth to hard bedrock | 1.00 0.15 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.15 |
| Lonjon----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 0.79 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.79 |
| 190: Spollow, dry----- | 55 | Very limited Too steep Depth to hard bedrock | 1.00 0.15 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.15 |
| Lonjon----- | 25 | Very limited Too steep Depth to hard bedrock | 1.00 0.79 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.79 |
| 191: Spollow----- | 35 | Very limited Too steep Depth to hard bedrock | 1.00 0.15 | Very limited Too steep Depth to hard bedrock | 1.00 1.00 | Very limited Slope Depth to hard bedrock | 1.00 0.15 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 191: | | | | | | | |
| Lonjon----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.79 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 0.79 |
| Mumford----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| 192: | | | | | | | |
| Sprollow, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.15 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 0.15 |
| Lonjon----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.79 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 0.79 |
| Mumford----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| 193: | | | | | | | |
| Sprollow----- | 40 | Somewhat limited | | Very limited | | Very limited | |
| | | Slope | 0.96 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.15 | bedrock | | Depth to hard | 0.15 |
| | | | | Slope | 0.96 | bedrock | |
| Wursten----- | 25 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.96 | Slope | 0.96 | Slope | 1.00 |
| Lonjon----- | 15 | Somewhat limited | | Very limited | | Very limited | |
| | | Slope | 0.96 | Depth to hard | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 0.79 | bedrock | | Depth to hard | 0.79 |
| | | | | Slope | 0.96 | bedrock | |
| 194: | | | | | | | |
| Streek----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |
| Cleavage----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 | Depth to hard bedrock | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 195: | | | | | | | |
| Streek, moist----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |
| Streek----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 195: Swanpeak----- | 25 | Very limited Shrink-swell Slope Large stones | 1.00 0.16 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 0.16 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.02 |
| 196: Streek----- | 45 | Very limited Shrink-swell Slope | 1.00 0.16 | Very limited Shrink-swell Slope | 1.00 0.16 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Swanpeak----- | 35 | Very limited Shrink-swell Slope Large stones | 1.00 0.16 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 0.16 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.02 |
| 197: Streek----- | 35 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 0.01 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Swanpeak----- | 35 | Very limited Shrink-swell Large stones Slope | 1.00 0.02 0.01 | Very limited Shrink-swell Large stones Slope | 1.00 0.02 0.01 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.02 |
| Sagollow----- | 25 | Somewhat limited Shrink-swell Large stones Depth to saturated zone | 0.50 0.18 0.16 | Very limited Depth to saturated zone Shrink-swell Large stones | 1.00 0.50 0.18 | Somewhat limited Slope Shrink-swell Large stones Depth to saturated zone | 0.50 0.50 0.18 0.16 |
| 198: Suryon----- | 90 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 199: Swan Flat----- | 65 | Very limited Too steep Large stones | 1.00 0.01 | Very limited Too steep Large stones | 1.00 0.01 | Very limited Slope Large stones | 1.00 0.01 |
| Dranburn----- | 20 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep | 1.00 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 200: Swanpeak----- | 85 | Very limited Shrink-swell Slope Large stones | 1.00 0.04 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 0.04 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.02 |
| 201: Swanpeak----- | 60 | Very limited Shrink-swell Slope Large stones | 1.00 0.37 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 0.37 0.02 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.02 |
| Ant Flat----- | 25 | Very limited Shrink-swell Slope | 1.00 0.37 | Somewhat limited Shrink-swell Slope | 0.50 0.37 | Very limited Shrink-swell Slope | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 202: | | | | | | | |
| Swanpeak----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Slope | 1.00 |
| | | Large stones | 0.02 | Large stones | 0.02 | Large stones | 0.02 |
| Cloudless----- | 30 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Shrink-swell | 0.68 | Shrink-swell | 0.68 | Slope | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Shrink-swell | 0.68 |
| 203: | | | | | | | |
| Swanpeak----- | 70 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Large stones | 0.02 | Large stones | 0.02 | Large stones | 0.02 |
| Dutchcanyon----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 204: | | | | | | | |
| Swanpeak----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Shrink-swell | 1.00 | Slope | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Shrink-swell | 1.00 |
| | | Large stones | 0.02 | Large stones | 0.02 | Large stones | 0.02 |
| Dutchcanyon----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Ant Flat----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Too steep | 1.00 | Shrink-swell | 0.50 | Shrink-swell | 1.00 |
| 205: | | | | | | | |
| Thatcher----- | 85 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.01 | Slope | 0.01 | Slope | 1.00 |
| 206: | | | | | | | |
| Thatcher, dry----- | 85 | Not limited | | Not limited | | Somewhat limited | |
| | | | | | | Slope | 0.12 |
| 207: | | | | | | | |
| Thatcher----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Church Springs----- | 40 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Slope | 1.00 |
| | | Slope | 0.16 | Slope | 0.16 | Shrink-swell | 0.50 |
| 208: | | | | | | | |
| Thatcher----- | 80 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.84 | Slope | 0.84 | Slope | 1.00 |
| Clegg----- | 20 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.84 | Slope | 0.84 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | | | Shrink-swell | 0.50 |
| 209: | | | | | | | |
| Thatcher----- | 60 | Not limited | | Not limited | | Not limited | |
| Joes----- | 25 | Not limited | | Not limited | | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 210: Thatcherflats----- | 75 | Very limited Shrink-swell | 1.00 | Somewhat limited Depth to saturated zone | 0.28 | Very limited Shrink-swell | 1.00 |
| 211: Thomasfork----- | 95 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 |
| 212: Toponce----- | 50 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Too steep | 1.00 1.00 | Very limited Shrink-swell Slope | 1.00 1.00 |
| Bailcreek----- | 40 | Very limited Shrink-swell Too steep Large stones | 1.00 1.00 0.92 | Very limited Shrink-swell Too steep Large stones | 1.00 1.00 0.92 | Very limited Shrink-swell Slope Large stones | 1.00 1.00 0.92 |
| 213: Tubbs Hollow----- | 50 | Very limited Too steep Large stones Depth to hard bedrock | 1.00 0.97 0.84 | Very limited Depth to hard bedrock Too steep Large stones | 1.00 1.00 0.97 | Very limited Slope Large stones Depth to hard bedrock | 1.00 0.97 0.84 |
| Dry Canyon, dry----- | 35 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 214: Vicking----- | 85 | Not limited | | Not limited | | Not limited | |
| 215: Vicking----- | 85 | Somewhat limited Slope | 0.01 | Somewhat limited Slope | 0.01 | Very limited Slope | 1.00 |
| 216: Vicking----- | 85 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 217: Vicking, dry----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.50 |
| 218: Vicking, dry----- | 85 | Somewhat limited Slope | 0.96 | Somewhat limited Slope | 0.96 | Very limited Slope | 1.00 |
| 219: Vicking----- | 55 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Cokeville----- | 35 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 220: | | | | | | | |
| Vipont----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 1.00 | Depth to hard | 1.00 | Large stones | 1.00 |
| | | Depth to hard | 0.99 | bedrock | | Depth to hard | 0.99 |
| | | bedrock | | Large stones | 1.00 | bedrock | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| Dipcreek----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to hard | 1.00 |
| | | bedrock | | bedrock | | bedrock | |
| | | Large stones | 1.00 | Large stones | 1.00 | Large stones | 1.00 |
| 221: | | | | | | | |
| Vipont----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 1.00 | Depth to hard | 1.00 | Large stones | 1.00 |
| | | Depth to hard | 0.99 | bedrock | | Depth to hard | 0.99 |
| | | bedrock | | Large stones | 1.00 | bedrock | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| Prucree----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Depth to hard | 0.54 | Depth to hard | 1.00 | Depth to hard | 0.54 |
| | | bedrock | | bedrock | | bedrock | |
| | | | | Depth to soft | 0.64 | | |
| | | | | bedrock | | | |
| 222: | | | | | | | |
| Vipont----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Large stones | 1.00 | Depth to hard | 1.00 | Large stones | 1.00 |
| | | Depth to hard | 0.99 | bedrock | | Depth to hard | 0.99 |
| | | bedrock | | Large stones | 1.00 | bedrock | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| Suryon----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| 223: | | | | | | | |
| Warshod----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Slan----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| | | | | Depth to soft | 0.29 | | |
| | | | | bedrock | | | |
| 224: | | | | | | | |
| Warshod, dry----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| Slan, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| | | | | Depth to soft | 0.29 | | |
| | | | | bedrock | | | |
| 225: | | | | | | | |
| Water----- | 100 | Not rated | | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Dwellings and Small Commercial Buildings--Continued

| Map symbol and soil name | Pct. of map unit | Dwellings without basements | Value | Dwellings with basements | Value | Small commercial buildings | |
|-----------------------------------|---------------------------|---|--------------|---|--------------|---------------------------------------|--------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | Value |
| 226: Water, miscellaneous----- | 100 | Not rated | | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Somewhat limited Shrink-swell Slope | 0.50 0.01 | Somewhat limited Shrink-swell Slope | 0.50 0.01 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 228: Wursten----- | 75 | Not limited | | Not limited | | Not limited | |
| 229: Wursten----- | 80 | Somewhat limited Slope | 0.16 | Somewhat limited Slope | 0.16 | Very limited Slope | 1.00 |
| 230: Wursten----- | 80 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 231: Wursten, dry----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.88 |
| 232: Wursten----- | 50 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Bearhollow----- | 30 | Very limited Too steep | 1.00 | Very limited Too steep Shrink-swell | 1.00 0.50 | Very limited Slope | 1.00 |
| 233: Wursten----- | 55 | Somewhat limited Slope | 0.04 | Somewhat limited Slope | 0.04 | Very limited Slope | 1.00 |
| Rexburg----- | 30 | Somewhat limited Slope | 0.04 | Somewhat limited Slope | 0.04 | Very limited Slope | 1.00 |
| 234: Wursten----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Rexburg----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| 235: Wursten, dry----- | 45 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |
| Rexburg, dry----- | 35 | Very limited Too steep | 1.00 | Very limited Too steep | 1.00 | Very limited Slope | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties

(Absence of an entry indicates that data were not estimated. The asterisk "*" denotes the representative texture; other possible textures follow the dash.)

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|--|----------------|---------------|--------------------------|------|--------------------------------------|--------|--------|-------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 1: Ant Flat----- | 0-2 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-4 | 79-100 | 76-100 | 73-100 | 64-91 | 40-45 | 15-20 |
| | 2-5 | *Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-6 | 68-76 | 64-73 | 62-73 | 55-66 | 40-45 | 15-20 |
| | 5-9 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 62-83 | 56-77 | 40-50 | 15-25 |
| | 9-25 | *Gravelly clay, Silty clay loam, silty clay | *GC, CH | *A-7-6, A-7-5 | 0 | 0 | 66-83 | 62-83 | 49-83 | 42-72 | 55-80 | 30-50 |
| | 25-38 | *Gravelly clay, Gravelly silty clay loam, gravelly clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-17 | 69-78 | 62-75 | 52-72 | 41-59 | 40-50 | 15-25 |
| | 38-60 | *Gravelly clay loam, Gravelly sandy clay loam, clay | *GC, CL | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 55-83 | 42-70 | 40-50 | 15-25 |
| 2: Ant Flat----- | 0-2 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-4 | 79-100 | 76-100 | 73-100 | 64-91 | 40-45 | 15-20 |
| | 2-5 | *Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-6 | 68-76 | 64-73 | 62-73 | 55-66 | 40-45 | 15-20 |
| | 5-9 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 62-83 | 56-77 | 40-50 | 15-25 |
| | 9-25 | *Gravelly clay, Silty clay loam, silty clay | *GC, CH | *A-7-6, A-7-5 | 0 | 0 | 66-83 | 62-83 | 49-83 | 42-72 | 55-80 | 30-50 |
| | 25-38 | *Gravelly clay, Gravelly silty clay loam, gravelly clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-17 | 69-78 | 62-75 | 52-72 | 41-59 | 40-50 | 15-25 |
| | 38-60 | *Gravelly clay loam, Gravelly sandy clay loam, clay | *GC, CL | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 55-83 | 42-70 | 40-50 | 15-25 |
| 3: Ant Flat----- | 0-2 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-4 | 79-100 | 76-100 | 73-100 | 64-91 | 40-45 | 15-20 |
| | 2-5 | *Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-6 | 68-76 | 64-73 | 62-73 | 55-66 | 40-45 | 15-20 |
| | 5-9 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 62-83 | 56-77 | 40-50 | 15-25 |
| | 9-25 | *Gravelly clay, Silty clay loam, silty clay | *GC, CH | *A-7-6, A-7-5 | 0 | 0 | 66-83 | 62-83 | 49-83 | 42-72 | 55-80 | 30-50 |
| | 25-38 | *Gravelly clay, Gravelly silty clay loam, gravelly clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-17 | 69-78 | 62-75 | 52-72 | 41-59 | 40-50 | 15-25 |
| | 38-60 | *Gravelly clay loam, Gravelly sandy clay loam, clay | *GC, CL | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 55-83 | 42-70 | 40-50 | 15-25 |
| 4: Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| 5: Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| 6: Arbone, dry---- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| 7: Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|---------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 7: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 8: Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 9: Arbone, dry---- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| Wursten, dry--- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 10: Bailcreek----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-6 | *Stony loam | *CL, | *A-6, A-4 | 19-35 | 0-10 | 75-95 | 70-90 | 60-85 | 50-70 | 28-36 | 10-17 |
| | 6-14 | *Very cobbly loam, Cobbly loam | *SC, CL, GC | *A-6, A-2-4 | 0 | 18-40 | 62-89 | 57-89 | 48-83 | 35-61 | 28-36 | 10-17 |
| | 14-19 | *Very cobbly silty clay, Very cobbly silty clay loam | *CH, GC | *A-7-6, | 0-9 | 32-44 | 60-85 | 55-80 | 45-75 | 40-70 | 45-55 | 25-35 |
| | 19-32 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| | 32-43 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| | 43-60 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|-------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 11: Bailcreek----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-6 | *Stony loam | *CL, | *A-6, A-4 | 19-35 | 0-10 | 75-95 | 70-90 | 60-85 | 50-70 | 28-36 | 10-17 |
| | 6-14 | *Very cobbly loam, Cobbly loam | *SC, CL, GC | *A-6, A-2-4 | 0 | 18-40 | 62-89 | 57-89 | 48-83 | 35-61 | 28-36 | 10-17 |
| | 14-19 | *Very cobbly silty clay, Very cobbly silty clay loam | *CH, GC | *A-7-6, | 0-9 | 32-44 | 60-85 | 55-80 | 45-75 | 40-70 | 45-55 | 25-35 |
| | 19-32 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| | 32-43 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| | 43-60 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| Toponce----- | 0-3 | *Silt loam | *ML, | *A-6, A-4 | 0 | 0-2 | 90-100 | 88-100 | 76-94 | 62-78 | 31-43 | 7-13 |
| | 3-20 | *Silty clay, Clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 79-100 | 76-100 | 46-68 | 25-40 |
| | 20-24 | *Silty clay, Clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 79-100 | 76-100 | 46-66 | 25-40 |
| | 24-36 | *Clay, Silty clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 77-100 | 68-97 | 46-66 | 25-40 |
| | 36-60 | *Clay, Silty clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 77-100 | 68-97 | 46-66 | 25-40 |
| 12: Bancroft----- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 95-100 | 25-30 | 5-10 |
| | 4-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 95-100 | 25-30 | 5-10 |
| | 12-18 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-20 |
| | 18-32 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-20 |
| | 32-39 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 92-100 | 91-100 | 85-100 | 81-100 | 30-40 | 10-20 |
| | 39-46 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 92-100 | 91-100 | 82-100 | 75-99 | 21-35 | 4-15 |
| | 46-60 | *Loam, Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 92-100 | 91-100 | 82-100 | 63-86 | 21-35 | 4-15 |
| 13: Bancroft----- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 95-100 | 25-30 | 5-10 |
| | 4-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 95-100 | 25-30 | 5-10 |
| | 12-18 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-20 |
| | 18-32 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-20 |
| | 32-39 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 92-100 | 91-100 | 85-100 | 81-100 | 30-40 | 10-20 |
| | 39-46 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 92-100 | 91-100 | 82-100 | 75-99 | 21-35 | 4-15 |
| | 46-60 | *Loam, Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 92-100 | 91-100 | 82-100 | 63-86 | 21-35 | 4-15 |
| 14: Bancroft----- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 95-100 | 25-30 | 5-10 |
| | 4-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 95-100 | 25-30 | 5-10 |
| | 12-18 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-20 |
| | 18-32 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-20 |
| | 32-39 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0 | 92-100 | 91-100 | 85-100 | 81-100 | 30-40 | 10-20 |
| | 39-46 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 92-100 | 91-100 | 82-100 | 75-99 | 21-35 | 4-15 |
| | 46-60 | *Loam, Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 92-100 | 91-100 | 82-100 | 63-86 | 21-35 | 4-15 |
| 15: Bear Lake----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-10 | *Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 90-95 | 35-40 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 22-37 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 37-46 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 46-58 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 58-63 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|----------------------------------|-------|--|-------------------|---------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 15: Bear Lake, ponded----- | 0-2 | *Mucky peat | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 2-10 | *Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 90-95 | 35-40 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 22-37 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 37-46 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 46-58 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 58-63 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| 16: Bear Lake----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-10 | *Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 90-95 | 35-40 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 22-37 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 37-46 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 46-58 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 58-63 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| Chesbrook----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-13 | *Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 10-20 |
| | 13-20 | *Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 10-20 |
| | 20-31 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 93-100 | 89-100 | 30-50 | 15-30 |
| | 31-36 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 93-100 | 89-100 | 30-50 | 15-30 |
| | 36-48 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 93-100 | 89-100 | 30-50 | 15-30 |
| | 48-56 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 94-100 | 88-100 | 82-100 | 78-100 | 30-50 | 10-25 |
| | 56-62 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 94-100 | 88-100 | 82-100 | 78-100 | 30-50 | 10-25 |
| La Roco----- | 0-2 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 35-40 | 10-15 |
| | 2-11 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 35-40 | 10-15 |
| | 11-20 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 87-100 | 83-100 | 35-40 | 10-15 |
| | 20-26 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 99-100 | 95-100 | 35-40 | 10-15 |
| | 26-34 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 35-40 | 10-15 |
| | 34-42 | *Silt loam, Loam | *ML, CL | *A-6, A-4 | 0 | 0 | 95-100 | 91-100 | 87-100 | 83-100 | 35-40 | 10-15 |
| | 42-49 | *Fine sandy loam, Very fine sandy loam, gravelly loam | *SC-SM, SC | *A-4, A-2-4 | 0 | 0 | 77-100 | 71-100 | 64-95 | 26-41 | 20-25 | 4-8 |
| | 49-59 | *Very fine sandy loam, Fine sandy loam, silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, A-2-4 | 0 | 0 | 64-95 | 62-95 | 60-95 | 34-56 | 20-25 | 4-8 |
| | 59-62 | *Extremely gravelly loamy sand, Very gravelly loamy sand | *GP-GM, GC-GM, GP | *A-1-a, A-1-b | 0 | 0 | 28-55 | 17-48 | 13-39 | 4-15 | 15-20 | NP-5 |
| 17: Bear Lake----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-10 | *Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 90-95 | 35-40 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 22-37 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 37-46 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 46-58 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 58-63 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|------------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 17: Lago----- | 0-8 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 8-13 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 13-19 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 19-29 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 29-38 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 38-45 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 45-55 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 55-60 | *Fine sandy loam, Silt loam, sandy loam | *SC, SC-SM | *A-4, A-6, A-2-4 | 0 | 0 | 100 | 100 | 86-100 | 34-50 | 20-35 | 5-15 |
| 18: Bearbou----- | 0-3 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 70-90 | 24-32 | 9-16 |
| | 3-9 | *Silty clay loam, Silty clay | *CL, CH | *A-7-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 42-50 | 24-32 |
| | 9-22 | *Silty clay loam, Silty clay | *CL, CH | *A-7-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 42-50 | 24-32 |
| | 22-28 | *Silty clay, Silty clay loam | *CL, CH | *A-7-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 42-50 | 24-32 |
| | 28-36 | *Gravelly clay loam, Silty clay, silty clay loam | *CL, CH, GC | *A-7-6, | 0 | 0 | 67-91 | 62-91 | 55-90 | 44-73 | 42-50 | 24-32 |
| | 36-60 | *Very gravelly loam, Very gravelly sandy clay loam, extremely gravelly clay loam | *GC, | *A-2-6, | 0 | 0-15 | 20-55 | 15-50 | 5-40 | 5-35 | 30-42 | 15-24 |
| 19: Bearhollow----- | 0-6 | *Gravelly loam | *SC, SC-SM | *A-4, A-2-4 | 0 | 0 | 70-80 | 48-74 | 41-66 | 29-48 | 25-30 | 5-10 |
| | 6-11 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 11-20 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 20-24 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 24-33 | *Fine sandy loam, Sandy loam | *SC-SM, SM, SC | *A-4, A-2-4 | 0 | 0 | 93-100 | 77-100 | 66-97 | 29-48 | 20-30 | NP-10 |
| | 33-44 | *Loamy fine sand, Sandy loam | *SC-SM, SC, SM | *A-2-4, A-4 | 0 | 0 | 100 | 88-100 | 81-98 | 29-39 | 0-25 | NP-10 |
| | 44-62 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 100 | 89-100 | 85-100 | 75-92 | 35-45 | 15-25 |
| Brifox----- | 0-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-55 | 20-25 |
| | 8-15 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 15-21 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 21-32 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 32-40 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 40-60 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 20: Bearhollow----- | 0-6 | *Gravelly loam | *SC, SC-SM | *A-4, A-2-4 | 0 | 0 | 70-80 | 48-74 | 41-66 | 29-48 | 25-30 | 5-10 |
| | 6-11 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 11-20 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 20-24 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 24-33 | *Fine sandy loam, Sandy loam | *SC-SM, SM, SC | *A-4, A-2-4 | 0 | 0 | 93-100 | 77-100 | 66-97 | 29-48 | 20-30 | NP-10 |
| | 33-44 | *Loamy fine sand, Sandy loam | *SC-SM, SC, SM | *A-2-4, A-4 | 0 | 0 | 100 | 88-100 | 81-98 | 29-39 | 0-25 | NP-10 |
| | 44-62 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 100 | 89-100 | 85-100 | 75-92 | 35-45 | 15-25 |
| Brifox----- | 0-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-55 | 20-25 |
| | 8-15 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 15-21 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 21-32 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 32-40 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 40-60 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| 21: Benning----- | 0-7 | *Silt loam | *CL, | *A-6, | 0 | 0 | 90-100 | 85-95 | 80-90 | 65-90 | 25-35 | 10-15 |
| | 7-18 | *Silt loam | *CL, | *A-6, | 0 | 0 | 90-100 | 85-95 | 80-90 | 65-90 | 25-35 | 10-15 |
| | 18-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 70-100 | 65-90 | 60-90 | 55-85 | 35-45 | 15-20 |
| | 28-37 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 70-100 | 65-90 | 60-90 | 55-85 | 35-45 | 15-20 |
| | 37-49 | *Silt loam | *CL, | *A-6, | 0 | 0 | 85-100 | 80-90 | 75-90 | 65-90 | 25-35 | 10-15 |
| | 49-60 | *Extremely gravelly silty loam | *GC, | *A-2-6, | 0 | 15-30 | 20-35 | 15-30 | 15-30 | 10-30 | 25-35 | 10-15 |
| 22: Bern----- | 0-9 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-15 |
| | 9-16 | *Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 35-45 | 15-20 |
| | 16-26 | *Silty clay loam, Silt loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-45 | 10-20 |
| | 26-34 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-45 | 10-20 |
| | 34-47 | *Silty clay loam, Silt loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-45 | 10-20 |
| | 47-55 | *Silt loam, Very fine sandy loam | *CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 90-100 | 55-90 | 20-30 | NP-10 |
| | 55-65 | *Very fine sandy loam, Silt loam | *CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 90-100 | 55-90 | 20-30 | NP-10 |
| 23: Bezzant----- | 0-5 | *Gravelly silty loam | *CL, GC-GM, SC-SM | *A-4, A-6 | 0 | 0-9 | 65-77 | 62-74 | 55-73 | 46-61 | 25-35 | 5-15 |
| | 5-10 | *Very gravelly silty loam, Gravelly loam | *GC, GC-GM | *A-2-4, A-6, A-4 | 0 | 0-18 | 46-60 | 38-57 | 34-56 | 28-48 | 25-35 | 5-15 |
| | 10-24 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam | *GC, | *A-2-6, A-7-6 | 0 | 0-33 | 30-54 | 23-48 | 19-47 | 14-37 | 30-45 | 11-20 |
| | 24-37 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam | *GC, | *A-2-6, A-7-6 | 0 | 0-33 | 30-54 | 23-48 | 19-47 | 14-37 | 30-45 | 11-20 |
| | 37-60 | *Very gravelly loam, Very gravelly clay loam, extremely gravelly loam, very cobbly loam | *GC, GC-GM | *A-2-6, | 0 | 0-35 | 25-43 | 17-37 | 15-35 | 11-26 | 30-40 | 11-15 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 24: Bezzant----- | 0-5 | *Gravelly silt loam | *CL, GC-GM, SC-SM | *A-4, A-6 | 0 | 0-9 | 65-77 | 62-74 | 55-73 | 46-61 | 25-35 | 5-15 |
| | 5-10 | *Very gravelly silt loam, Gravelly loam | *GC, GC-GM | *A-2-4, A-6, A-4 | 0 | 0-18 | 46-60 | 38-57 | 34-56 | 28-48 | 25-35 | 5-15 |
| | 10-24 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam | *GC, | *A-2-6, A-7-6 | 0 | 0-33 | 30-54 | 23-48 | 19-47 | 14-37 | 30-45 | 11-20 |
| | 24-37 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam | *GC, | *A-2-6, A-7-6 | 0 | 0-33 | 30-54 | 23-48 | 19-47 | 14-37 | 30-45 | 11-20 |
| | 37-60 | *Very gravelly loam, Very gravelly clay loam, extremely gravelly loam, very cobbly loam | *GC, GC-GM | *A-2-6, | 0 | 0-35 | 25-43 | 17-37 | 15-35 | 11-26 | 30-40 | 11-15 |
| Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| 25: Bischoff----- | 0-4 | *Silt loam | *CL, | *A-6, | 0 | 0-3 | 100 | 85-100 | 75-100 | 70-100 | 30-35 | 10-15 |
| | 4-16 | *Silt loam | *CL, | *A-6, | 0 | 0-3 | 100 | 85-100 | 75-100 | 70-100 | 30-35 | 10-15 |
| | 16-29 | *Silty clay loam, Silty clay | *CL, | *A-7-6, | 0 | 0-5 | 100 | 85-100 | 80-100 | 75-100 | 40-55 | 20-35 |
| | 29-47 | *Silty clay loam, Silty clay | *CL, | *A-7-6, | 0 | 0-8 | 100 | 85-100 | 80-100 | 75-100 | 40-55 | 20-35 |
| | 47-61 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0-8 | 100 | 85-100 | 85-100 | 80-100 | 50-65 | 30-40 |
| Hagenbarth---- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| 26: Bloomington---- | 0-3 | *Muck | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 3-10 | *Mucky silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-35 | 10-15 |
| | 10-21 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 89-99 | 85-95 | 30-35 | 10-15 |
| | 21-32 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 87-100 | 30-40 | 10-20 |
| | 32-42 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 87-100 | 30-40 | 10-20 |
| | 42-48 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 87-100 | 30-40 | 10-20 |
| | 48-60 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 10-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 27: Boundridge----- | 0-2 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0 | 8-14 | 45-58 | 37-51 | 31-47 | 21-34 | 20-30 | 5-10 |
| | 2-7 | *Very gravelly silt loam, Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 0 | 8-27 | 43-57 | 35-50 | 31-48 | 25-40 | 20-30 | 5-10 |
| | 7-14 | *Very gravelly loam, Very gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b | 0 | 8-33 | 47-58 | 39-51 | 33-46 | 23-34 | 20-30 | 5-10 |
| | 14-21 | *Cemented | | | | | | | | | | |
| | 21-60 | *Extremely gravelly sandy loam, Extremely gravelly loamy sand, very gravelly loamy sand | *GW-GM, GC-GM | *A-1-a, A-1-b | 0 | 7-26 | 31-45 | 20-38 | 14-30 | 7-16 | 20-25 | NP-5 |
| Sweetcreek----- | 0-2 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0-4 | 84-100 | 80-100 | 69-100 | 57-86 | 21-35 | 4-15 |
| | 2-11 | *Silt loam, Clay loam, gravelly silt loam, gravelly silty clay loam | *CL, | *A-6, | 0 | 0-10 | 76-100 | 72-100 | 69-100 | 61-91 | 34-39 | 14-18 |
| | 11-18 | *Gravelly clay loam, Gravelly silty clay loam, silt loam | *CL, GC | *A-6, | 0 | 0-9 | 71-87 | 68-87 | 60-81 | 46-64 | 34-39 | 14-18 |
| | 18-24 | *Silty clay loam, Gravelly clay loam, silt loam | *CL, | *A-6, | 0 | 0-9 | 73-90 | 69-90 | 67-90 | 59-82 | 34-39 | 14-18 |
| | 24-39 | *Silt loam, Gravelly loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-9 | 79-94 | 77-94 | 68-93 | 57-79 | 26-35 | 8-15 |
| | 39-60 | *Bedrock | | | | | | | | | | |
| 28: Boydhollow----- | 0-3 | *Gravelly loam | *GC-GM, GC | *A-4, A-2-4 | 0 | 0 | 53-73 | 51-72 | 43-66 | 30-48 | 21-28 | 4-9 |
| | 3-11 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GC | *A-2-4, A-1-b | 0 | 0 | 36-50 | 33-48 | 28-44 | 19-32 | 21-28 | 4-9 |
| | 11-19 | *Very gravelly sandy loam, Very gravelly loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a | 0 | 0 | 36-50 | 33-48 | 24-39 | 12-21 | 21-28 | 4-9 |
| | 19-41 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly fine sandy loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 9-16 | 25-46 | 21-43 | 15-35 | 7-19 | 20-28 | 4-9 |
| | 41-57 | *Extremely gravelly sandy loam, Extremely gravelly loamy sand, very gravelly sandy loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 9-24 | 22-46 | 19-43 | 14-34 | 7-18 | 5-21 | NP-4 |
| | 57-65 | *Extremely gravelly loamy sand, Very gravelly sandy loam, extremely gravelly sandy loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 10-23 | 23-43 | 20-40 | 15-34 | 6-14 | 5-21 | NP-4 |
| Slan----- | 0-2 | *Very gravelly loam | *GC-GM, GC | *A-2-4, A-1-b | 0 | 0 | 39-53 | 32-46 | 27-42 | 19-30 | 20-25 | 5-10 |
| | 2-5 | *Gravelly fine sandy loam, Gravelly loam | *SC-SM, SC | *A-2-4, | 0 | 0 | 70-77 | 66-74 | 58-73 | 23-35 | 20-30 | 5-10 |
| | 5-18 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-2-4 | 0 | 0 | 58-77 | 53-74 | 45-71 | 33-54 | 25-35 | 10-20 |
| | 18-25 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-2-4 | 0 | 0 | 58-77 | 53-74 | 45-71 | 33-54 | 25-35 | 10-20 |
| | 25-32 | *Fine sandy loam, Loam | *SC-SM, SC | *A-4, A-2-4 | 0 | 0 | 86-100 | 82-100 | 73-97 | 30-44 | 20-25 | 5-10 |
| | 32-60 | *Bedrock | | | | | | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|---------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 28: Cokeville----- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-4, | 0 | 0-10 | 67-76 | 63-72 | 53-67 | 38-49 | 25-30 | 5-10 |
| | 2-5 | *Gravelly silt loam, Gravelly loam | *CL-ML, GC-GM, CL | *A-4, | 0 | 0-8 | 68-77 | 64-74 | 57-72 | 47-60 | 25-30 | 5-10 |
| | 5-9 | *Gravelly clay loam, Gravelly silty clay loam | *CL, GC | *A-6, | 0 | 0 | 57-77 | 53-74 | 46-70 | 36-55 | 35-40 | 15-20 |
| | 9-15 | *Gravelly loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-2-6 | 0 | 0 | 52-71 | 48-66 | 39-66 | 29-51 | 25-40 | 15-20 |
| | 15-31 | *Gravelly silt loam, Gravelly silty clay loam, gravelly loam | *CL, GC | *A-6, | 0 | 0 | 52-71 | 48-66 | 42-66 | 37-62 | 25-40 | 15-20 |
| | 31-43 | *Gravelly silty clay loam, Gravelly silt loam, gravelly loam | *GC, CL | *A-6, | 0 | 0 | 52-71 | 48-66 | 43-66 | 38-64 | 25-40 | 15-20 |
| | 43-56 | *Silty clay loam, Clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 84-100 | 82-100 | 76-99 | 67-88 | 40-45 | 20-25 |
| | 56-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 29: Brifox----- | 0-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-55 | 20-25 |
| | 8-15 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 15-21 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 21-32 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 32-40 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 40-60 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| Lizdale----- | 0-3 | *Gravelly loam | *GC, GC-GM | *A-4, | 0 | 0-8 | 67-76 | 62-72 | 53-64 | 37-46 | 25-30 | 5-10 |
| | 3-11 | *Gravelly loam | *GC, GC-GM | *A-4, A-2-4 | 0 | 0-8 | 61-76 | 56-72 | 48-64 | 34-46 | 25-30 | 5-10 |
| | 11-19 | *Very gravelly loam, Very gravelly sandy loam, extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-a | 0 | 0-8 | 31-52 | 26-47 | 21-44 | 15-32 | 25-30 | 5-10 |
| | 19-26 | *Extremely gravelly sandy loam, Very gravelly sandy loam, very gravelly loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 0-12 | 26-46 | 20-41 | 14-33 | 7-18 | 25-30 | 5-10 |
| | 26-40 | *Very gravelly sandy loam, Extremely gravelly sandy loam | *GC, GP-GC | *A-2-4, A-1-a | 0 | 0-12 | 31-46 | 24-41 | 17-33 | 8-18 | 25-30 | 5-10 |
| | 40-60 | *Very gravelly loamy sand | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 0-8 | 35-51 | 29-47 | 22-39 | 6-13 | 20-25 | NP-5 |
| 30: Brifox----- | 0-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-55 | 20-25 |
| | 8-15 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 15-21 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 21-32 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 32-40 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 40-60 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| Niter----- | 0-4 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 94-100 | 84-94 | 50-55 | 20-25 |
| | 4-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 94-100 | 84-94 | 50-55 | 20-25 |
| | 8-12 | *Silty clay loam, Silty clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 92-100 | 82-97 | 50-75 | 25-40 |
| | 12-19 | *Silty clay loam, Silty clay, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 92-100 | 82-97 | 50-75 | 25-40 |
| | 19-30 | *Silty clay loam, Silty clay, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 93-100 | 84-100 | 50-85 | 20-50 |
| | 30-40 | *Silty clay, Silty clay loam, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 87-100 | 84-100 | 50-85 | 20-50 |
| | 40-60 | *Silty clay, Silty clay loam, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 87-100 | 84-100 | 50-85 | 20-50 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|---------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 31: Brifox----- | 0-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-55 | 20-25 |
| | 8-15 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 15-21 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 50-65 | 25-40 |
| | 21-32 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 32-40 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| | 40-60 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-5, | 0 | 0 | 100 | 100 | 100 | 100 | 60-80 | 30-50 |
| Niter----- | 0-4 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 94-100 | 84-94 | 50-55 | 20-25 |
| | 4-8 | *Silty clay loam | *MH, | *A-7-5, | 0 | 0 | 100 | 100 | 94-100 | 84-94 | 50-55 | 20-25 |
| | 8-12 | *Silty clay loam, Silty clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 92-100 | 82-97 | 50-75 | 25-40 |
| | 12-19 | *Silty clay loam, Silty clay, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 92-100 | 82-97 | 50-75 | 25-40 |
| | 19-30 | *Silty clay loam, Silty clay, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 93-100 | 84-100 | 50-85 | 20-50 |
| | 30-40 | *Silty clay, Silty clay loam, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 87-100 | 84-100 | 50-85 | 20-50 |
| | 40-60 | *Silty clay, Silty clay loam, clay | *CH, MH | *A-7-5, | 0 | 0 | 100 | 100 | 87-100 | 84-100 | 50-85 | 20-50 |
| 32: Broadhead----- | 0-4 | *Silt loam | *ML, | *A-4, | 0 | 0 | 92-100 | 85-100 | 74-98 | 60-82 | 25-35 | NP-10 |
| | 4-14 | *Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 88-100 | 84-100 | 74-92 | 35-45 | 15-25 |
| | 14-21 | *Silty clay loam, Silty clay, clay, clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 88-100 | 82-100 | 73-97 | 45-65 | 20-35 |
| | 21-43 | *Silty clay, Silty clay loam, clay, clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 88-100 | 81-100 | 77-100 | 45-65 | 20-35 |
| | 43-61 | *Silty clay loam | *CL, | *A-7-6, | 0 | 0-8 | 91-100 | 82-100 | 78-100 | 70-93 | 40-50 | 15-25 |
| 33: Broadhead----- | 0-4 | *Silt loam | *ML, | *A-4, | 0 | 0 | 92-100 | 85-100 | 74-98 | 60-82 | 25-35 | NP-10 |
| | 4-14 | *Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 88-100 | 84-100 | 74-92 | 35-45 | 15-25 |
| | 14-21 | *Silty clay loam, Silty clay, clay, clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 88-100 | 82-100 | 73-97 | 45-65 | 20-35 |
| | 21-43 | *Silty clay, Silty clay loam, clay, clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 88-100 | 81-100 | 77-100 | 45-65 | 20-35 |
| | 43-61 | *Silty clay loam | *CL, | *A-7-6, | 0 | 0-8 | 91-100 | 82-100 | 78-100 | 70-93 | 40-50 | 15-25 |
| 34: Broadhead----- | 0-4 | *Silt loam | *ML, | *A-4, | 0 | 0 | 92-100 | 85-100 | 74-98 | 60-82 | 25-35 | NP-10 |
| | 4-14 | *Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 88-100 | 84-100 | 74-92 | 35-45 | 15-25 |
| | 14-21 | *Silty clay loam, Silty clay, clay, clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 88-100 | 82-100 | 73-97 | 45-65 | 20-35 |
| | 21-43 | *Silty clay, Silty clay loam, clay, clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 88-100 | 81-100 | 77-100 | 45-65 | 20-35 |
| | 43-61 | *Silty clay loam | *CL, | *A-7-6, | 0 | 0-8 | 91-100 | 82-100 | 78-100 | 70-93 | 40-50 | 15-25 |
| Hades----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 6-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0-4 | 86-100 | 84-100 | 78-96 | 68-84 | 25-30 | 5-10 |
| | 20-61 | *Clay loam, Silty clay loam, loam | *CL, | *A-6, A-4 | 0 | 0-11 | 85-100 | 85-100 | 73-96 | 56-77 | 25-35 | 10-15 |
| Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------------|--------------------|-----------------------|-------|-----------------------------------|-------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 35: Buist----- | 0-2 | *Gravelly silt loam | *CL, GC-GM, ML | *A-4, | 0 | 7-15 | 66-82 | 61-79 | 55-75 | 44-62 | 25-35 | 5-10 |
| | 2-10 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 21-26 | 58-85 | 54-83 | 48-80 | 39-66 | 25-35 | 5-10 |
| | 10-17 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 23-41 | 62-87 | 58-85 | 52-83 | 42-68 | 25-35 | 5-10 |
| | 17-23 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GM | *A-2-4, A-4, A-1-b | 0-2 | 9-18 | 49-62 | 42-58 | 34-52 | 23-36 | 15-24 | 1-6 |
| | 23-33 | *Extremely cobbly loam, Very gravelly loam, extremely gravelly sandy loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-32 | 25-46 | 16-41 | 13-36 | 9-25 | 0-23 | NP-5 |
| | 33-37 | *Extremely gravelly loam, Very gravelly loam, extremely gravelly sandy loam, extremely cobbly loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-26 | 21-46 | 13-41 | 10-36 | 7-25 | 0-23 | NP-5 |
| | 37-61 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 18-37 | 23-52 | 15-47 | 11-37 | 5-19 | 0-22 | NP-4 |
| 36: Buist----- | 0-2 | *Gravelly silt loam | *CL, GC-GM, ML | *A-4, | 0 | 7-15 | 66-82 | 61-79 | 55-75 | 44-62 | 25-35 | 5-10 |
| | 2-10 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 21-26 | 58-85 | 54-83 | 48-80 | 39-66 | 25-35 | 5-10 |
| | 10-17 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 23-41 | 62-87 | 58-85 | 52-83 | 42-68 | 25-35 | 5-10 |
| | 17-23 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GM | *A-2-4, A-4, A-1-b | 0-2 | 9-18 | 49-62 | 42-58 | 34-52 | 23-36 | 15-24 | 1-6 |
| | 23-33 | *Extremely cobbly loam, Very gravelly loam, extremely gravelly sandy loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-32 | 25-46 | 16-41 | 13-36 | 9-25 | 0-23 | NP-5 |
| | 33-37 | *Extremely gravelly loam, Very gravelly loam, extremely gravelly sandy loam, extremely cobbly loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-26 | 21-46 | 13-41 | 10-36 | 7-25 | 0-23 | NP-5 |
| | 37-61 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 18-37 | 23-52 | 15-47 | 11-37 | 5-19 | 0-22 | NP-4 |
| 37: Buist, dry---- | 0-2 | *Gravelly silt loam | *CL, GC-GM, ML | *A-4, | 0 | 7-15 | 66-82 | 61-79 | 55-75 | 44-62 | 25-35 | 5-10 |
| | 2-10 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 21-26 | 58-85 | 54-83 | 48-80 | 39-66 | 25-35 | 5-10 |
| | 10-17 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 23-41 | 62-87 | 58-85 | 52-83 | 42-68 | 25-35 | 5-10 |
| | 17-23 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GM | *A-2-4, A-4, A-1-b | 0-2 | 9-18 | 49-62 | 42-58 | 34-52 | 23-36 | 15-24 | 1-6 |
| | 23-33 | *Extremely cobbly loam, Very gravelly loam, extremely gravelly sandy loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-32 | 25-46 | 16-41 | 13-36 | 9-25 | 0-23 | NP-5 |
| | 33-37 | *Extremely gravelly loam, Very gravelly loam, extremely gravelly sandy loam, extremely cobbly loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-26 | 21-46 | 13-41 | 10-36 | 7-25 | 0-23 | NP-5 |
| | 37-61 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 18-37 | 23-52 | 15-47 | 11-37 | 5-19 | 0-22 | NP-4 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 38: Buist----- | 0-2 | *Very gravelly silt loam | *GC, GC-GM, GM | *A-4, A-2-4 | 0 | 0 | 40-50 | 37-48 | 34-46 | 27-37 | 25-35 | 5-10 |
| | 2-10 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 21-26 | 58-85 | 54-83 | 48-80 | 39-66 | 25-35 | 5-10 |
| | 10-17 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 23-41 | 62-87 | 58-85 | 52-83 | 42-68 | 25-35 | 5-10 |
| | 17-23 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GM | *A-2-4, A-4, A-1-b | 0-2 | 9-18 | 49-62 | 42-58 | 34-52 | 23-36 | 15-24 | 1-6 |
| | 23-33 | *Extremely cobbly loam, Very gravelly loam, extremely gravelly sandy loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-32 | 25-46 | 16-41 | 13-36 | 9-25 | 0-23 | NP-5 |
| | 33-37 | *Extremely gravelly loam, Very gravelly loam, extremely gravelly sandy loam, extremely cobbly loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-26 | 21-46 | 13-41 | 10-36 | 7-25 | 0-23 | NP-5 |
| | 37-61 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 18-37 | 23-52 | 15-47 | 11-37 | 5-19 | 0-22 | NP-4 |
| 39: Buist----- | 0-2 | *Gravelly silt loam | *CL, GC-GM, ML | *A-4, | 0 | 7-15 | 66-82 | 61-79 | 55-75 | 44-62 | 25-35 | 5-10 |
| | 2-10 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 21-26 | 58-85 | 54-83 | 48-80 | 39-66 | 25-35 | 5-10 |
| | 10-17 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, CG-GM | *A-4, | 0 | 23-41 | 62-87 | 58-85 | 52-83 | 42-68 | 25-35 | 5-10 |
| | 17-23 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GM | *A-2-4, A-4, A-1-b | 0-2 | 9-18 | 49-62 | 42-58 | 34-52 | 23-36 | 15-24 | 1-6 |
| | 23-33 | *Extremely cobbly loam, Very gravelly loam, extremely gravelly sandy loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-32 | 25-46 | 16-41 | 13-36 | 9-25 | 0-23 | NP-5 |
| | 33-37 | *Extremely gravelly loam, Very gravelly loam, extremely gravelly sandy loam, extremely cobbly loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-26 | 21-46 | 13-41 | 10-36 | 7-25 | 0-23 | NP-5 |
| | 37-61 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GP-GM, CG-GM | *A-1-a, A-1-b | 0 | 18-37 | 23-52 | 15-47 | 11-37 | 5-19 | 0-22 | NP-4 |
| Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| 40: Burchert----- | 0-3 | *Gravelly loam | *SC, GC, CL | *A-4, A-6 | 0 | 0 | 70-77 | 67-77 | 58-70 | 41-51 | 26-30 | 8-11 |
| | 3-9 | *Gravelly loam, Loam, silt loam | *SC, CL, GC | *A-4, A-6 | 0 | 0 | 70-100 | 67-100 | 58-85 | 41-75 | 26-30 | 8-11 |
| | 9-14 | *Gravelly clay loam, Clay loam | *CL, SC | *A-6, | 0 | 0 | 75-95 | 70-90 | 55-80 | 40-70 | 35-40 | 15-20 |
| | 14-22 | *Gravelly clay loam, Clay loam, paragravelly clay loam | *CL, SC | *A-6, | 0 | 0 | 75-95 | 70-90 | 55-80 | 40-70 | 35-40 | 15-20 |
| | 22-30 | *Gravelly clay loam, Parachannery clay loam, clay loam | *CL, | *A-6, | 0 | 0-15 | 70-100 | 65-100 | 60-90 | 55-80 | 34-39 | 14-19 |
| | 30-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Whitetop----- | 0-4 | *Ashy fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 4-16 | *Parachannery ashy fine sandy loam, Ashy fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 16-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|---------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 41: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| 42: Cedarhill, dry- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| 43: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| Bearhollow----- | 0-6 | *Gravelly loam | *SC, SC-SM | *A-4, A-2-4 | 0 | 0 | 70-80 | 48-74 | 41-66 | 29-48 | 25-30 | 5-10 |
| | 6-11 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 11-20 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 20-24 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC-SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 24-33 | *Fine sandy loam, Sandy loam | *SC-SM, SM, SC | *A-4, A-2-4 | 0 | 0 | 93-100 | 77-100 | 66-97 | 29-48 | 20-30 | NP-10 |
| | 33-44 | *Loamy fine sand, Sandy loam | *SC-SM, SC, SM | *A-2-4, A-4 | 0 | 0 | 100 | 88-100 | 81-98 | 29-39 | 0-25 | NP-10 |
| | 44-62 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 100 | 89-100 | 85-100 | 75-92 | 35-45 | 15-25 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 44: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| Buist----- | 0-2 | *Gravelly silt loam | *CL, GC-GM, ML | *A-4, | 0 | 7-15 | 66-82 | 61-79 | 55-75 | 44-62 | 25-35 | 5-10 |
| | 2-10 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, GC-GM | *A-4, | 0 | 21-26 | 58-85 | 54-83 | 48-80 | 39-66 | 25-35 | 5-10 |
| | 10-17 | *Cobbly silt loam, Gravelly silt loam, very gravelly loam | *CL, ML, GC-GM | *A-4, | 0 | 23-41 | 62-87 | 58-85 | 52-83 | 42-68 | 25-35 | 5-10 |
| | 17-23 | *Very gravelly loam, Very gravelly sandy loam | *GC-GM, GM | *A-2-4, A-4, A-1-b | 0-2 | 9-18 | 49-62 | 42-58 | 34-52 | 23-36 | 15-24 | 1-6 |
| | 23-33 | *Extremely cobbly loam, Very gravelly loam, extremely gravelly sandy loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-32 | 25-46 | 16-41 | 13-36 | 9-25 | 0-23 | NP-5 |
| | 33-37 | *Extremely gravelly loam, Very gravelly loam, extremely gravelly sandy loam, extremely cobbly loam | *GP-GC, GC-GM, GP-GM | *A-1-a, A-1-b | 0 | 18-26 | 21-46 | 13-41 | 10-36 | 7-25 | 0-23 | NP-5 |
| | 37-61 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GP-GM, GC-GM | *A-1-a, A-1-b | 0 | 18-37 | 23-52 | 15-47 | 11-37 | 5-19 | 0-22 | NP-4 |
| 45: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| Burchert----- | 0-3 | *Gravelly loam | *SC, CL, GC | *A-4, A-6 | 0 | 0 | 70-77 | 67-77 | 58-70 | 41-51 | 26-30 | 8-11 |
| | 3-9 | *Gravelly loam, Loam, silt loam | *SC, CL, GC | *A-4, A-6 | 0 | 0 | 70-100 | 67-100 | 58-85 | 41-75 | 26-30 | 8-11 |
| | 9-14 | *Gravelly clay loam, Clay loam | *CL, SC | *A-6, | 0 | 0 | 75-95 | 70-90 | 55-80 | 40-70 | 35-40 | 15-20 |
| | 14-22 | *Gravelly clay loam, Clay loam, paragravelly clay loam | *CL, SC | *A-6, | 0 | 0 | 75-95 | 70-90 | 55-80 | 40-70 | 35-40 | 15-20 |
| | 22-30 | *Gravelly clay loam, Parachannery clay loam, clay loam | *CL, | *A-6, | 0 | 0-15 | 70-100 | 65-100 | 60-90 | 55-80 | 34-39 | 14-19 |
| | 30-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 46: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |
| 47: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 47: Drage----- | 0-4 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0-2 | 0 | 84-100 | 82-100 | 75-98 | 62-82 | 30-41 | 10-15 |
| | 4-10 | *Silt loam | *CL, | *A-6, A-4 | 0-2 | 0 | 85-90 | 82-90 | 75-87 | 62-73 | 27-39 | 10-15 |
| | 10-22 | *Very gravelly silty clay loam, Very gravelly clay loam, very cobbly silty clay loam, very cobbly clay loam | *GC, | *A-7-6, A-6 | 0-7 | 9-26 | 51-57 | 45-52 | 44-52 | 39-49 | 37-47 | 19-25 |
| | 22-38 | *Extremely cobbly silty clay loam, Very cobbly clay loam, very gravelly clay loam, very gravelly silty clay loam | *GC, CL | *A-7-6, A-2-6 | 0-7 | 35-45 | 38-61 | 31-56 | 30-56 | 27-53 | 37-46 | 19-25 |
| | 38-60 | *Extremely cobbly silt loam, Very cobbly silt loam, very cobbly loam | *GC, | *A-2-6, A-6 | 0-1 | 37-57 | 33-59 | 26-55 | 23-53 | 19-45 | 29-37 | 11-17 |
| 48: Cedarhill, dry- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| Pinehollow, dry | 0-2 | *Very cobbly silt loam | *CL, GC | *A-6, A-4 | 0 | 28-49 | 57-76 | 52-74 | 48-72 | 42-63 | 28-36 | 9-15 |
| | 2-7 | *Very cobbly silt loam, Cobbly silt loam, gravelly loam | *CL, GC | *A-6, A-4 | 0 | 10-49 | 61-79 | 56-76 | 52-76 | 46-68 | 28-39 | 9-23 |
| | 7-16 | *Cobbly loam, Cobbly silt loam, cobbly clay loam, gravelly loam | *CL, GC | *A-6, A-4, A-7-6 | 0 | 0-26 | 65-89 | 61-89 | 55-87 | 42-68 | 28-43 | 9-27 |
| | 16-22 | *Gravelly loam, Cobbly silt loam, cobbly clay loam, cobbly loam | *GC, CL | *A-6, A-7-6, A-4 | 0 | 0-26 | 65-89 | 61-89 | 55-87 | 42-68 | 28-43 | 9-27 |
| | 22-26 | *Very gravelly loam, Cobbly silt loam, cobbly clay loam, gravelly loam | *GC, CL | *A-2-6, A-2-4, A-6 | 0 | 0-32 | 55-81 | 50-79 | 44-76 | 33-59 | 29-39 | 9-25 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 49: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 49: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 50: Chesbrook----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-13 | *Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 10-20 |
| | 13-20 | *Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 10-20 |
| | 20-31 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 93-100 | 89-100 | 30-50 | 15-30 |
| | 31-36 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 93-100 | 89-100 | 30-50 | 15-30 |
| | 36-48 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 100 | 100 | 93-100 | 89-100 | 30-50 | 15-30 |
| | 48-56 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 94-100 | 88-100 | 82-100 | 78-100 | 30-50 | 10-25 |
| | 56-62 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7 | 0 | 0 | 94-100 | 88-100 | 82-100 | 78-100 | 30-50 | 10-25 |
| Bear Lake----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-10 | *Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 90-95 | 35-40 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 22-37 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 37-46 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 46-58 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 58-63 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| 51: Chinhill----- | 0-2 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 92-100 | 90-100 | 81-95 | 66-78 | 25-30 | 5-10 |
| | 2-21 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 83-100 | 82-100 | 73-95 | 59-78 | 25-30 | 5-10 |
| | 21-36 | *Silt loam, Loam | *CL, CL-ML | *A-4, | 0 | 0 | 83-100 | 82-100 | 73-95 | 59-78 | 25-30 | 5-10 |
| | 36-60 | *Silt loam, Loam | *CL, CL-ML | *A-4, | 0 | 0 | 83-100 | 82-100 | 73-95 | 59-78 | 25-30 | 5-10 |
| 52: Chokecherry----- | 0-4 | *Very cobbly sandy loam | *GC-GM, GC | *A-1-b, A-2-4 | 8-11 | 16-21 | 48-63 | 43-59 | 31-48 | 15-26 | 20-28 | 4-9 |
| | 4-9 | *Very cobbly sandy loam, Extremely gravelly sandy loam, very cobbly loam | *SC-SM, SC, GC-GM | *A-1-b, A-2-4, A-1-a | 0-7 | 50-63 | 43-70 | 36-65 | 26-52 | 13-28 | 20-28 | 4-9 |
| | 9-18 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a, A-1-b | 0-5 | 43-58 | 30-59 | 23-56 | 17-45 | 9-24 | 23-28 | 6-9 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dranyon----- | 0-3 | *Silt loam | *ML, CL | *A-6, A-4, A-7-6 | 0 | 0 | 80-90 | 77-90 | 70-87 | 58-73 | 32-43 | 10-15 |
| | 3-9 | *Gravelly silt loam, Loam, silt loam | *CL, | *A-6, A-4 | 0 | 0-2 | 77-90 | 73-90 | 66-87 | 55-73 | 28-39 | 9-18 |
| | 9-20 | *Gravelly silty clay loam, Very gravelly silty clay loam, gravelly loam, gravelly silty loam | *CL, GC | *A-6, A-4 | 0 | 0-1 | 61-78 | 56-75 | 52-75 | 46-69 | 28-39 | 9-18 |
| | 20-26 | *Very gravelly silty clay loam, Gravelly loam, gravelly silty clay loam, gravelly silty loam | *CL, GC | *A-6, A-7-6 | 0 | 0-17 | 63-72 | 58-68 | 54-68 | 48-63 | 33-44 | 13-22 |
| | 26-44 | *Very gravelly clay loam, Gravelly clay loam, cobbly clay loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6, A-2-6 | 0 | 9-17 | 56-74 | 51-71 | 45-67 | 35-53 | 33-44 | 13-22 |
| | 44-60 | *Cobbly clay loam, Gravelly clay loam, gravelly silty clay loam, very gravelly clay loam | *CL, GC | *A-6, A-7-6 | 0 | 13-26 | 69-87 | 66-86 | 58-81 | 44-63 | 33-44 | 13-22 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 53: Chokecherry---- | 0-4 | *Very cobbly sandy loam | *GC-GM, GC | *A-1-b, A-2-4 | 8-11 | 16-21 | 48-63 | 43-59 | 31-48 | 15-26 | 20-28 | 4-9 |
| | 4-9 | *Very cobbly sandy loam, Extremely gravelly sandy loam, very cobbly loam | *SC-SM, SC, GC-GM | *A-1-b, A-2-4, A-1-a | 0-7 | 50-63 | 43-70 | 36-65 | 26-52 | 13-28 | 20-28 | 4-9 |
| | 9-18 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a, A-1-b | 0-5 | 43-58 | 30-59 | 23-56 | 17-45 | 9-24 | 23-28 | 6-9 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Slights----- | 0-5 | *Loam | *CL, | *A-6, A-4 | 0 | 0 | 84-100 | 80-100 | 69-91 | 50-67 | 28-32 | 9-13 |
| | 5-12 | *Loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 84-100 | 80-100 | 69-91 | 50-67 | 28-32 | 9-13 |
| | 12-20 | *Silty clay loam, Silty clay loam, clay | *CH, MH | *A-7-5, A-7-6 | 0 | 0 | 85-100 | 81-100 | 75-100 | 67-97 | 50-66 | 21-32 |
| | 20-39 | *Silty clay, Clay | *MH, | *A-7-5, | 0 | 0 | 85-100 | 82-100 | 75-100 | 73-100 | 56-70 | 25-35 |
| | 39-60 | *Silty clay, Clay | *MH, | *A-7-5, | 0 | 0 | 85-100 | 82-100 | 75-100 | 73-100 | 56-70 | 25-35 |
| Sheep Creek---- | 0-5 | *Gravelly sandy loam | *SM, SC-SM | *A-2-6, A-1-b | 0-2 | 0-15 | 62-82 | 57-80 | 39-67 | 18-36 | 26-47 | 6-17 |
| | 5-11 | *Gravelly loam, Very cobbly loam, gravelly silt loam | *GC, GC-GM | *A-6, A-7-6, A-2-4 | 0-4 | 0-27 | 59-80 | 53-78 | 43-74 | 30-55 | 24-45 | 6-17 |
| | 11-21 | *Very gravelly clay loam, Very cobbly silty clay loam, extremely cobbly clay loam | *GC, | *A-2-7, A-2-4, A-7-6 | 0 | 9-39 | 38-60 | 31-60 | 24-60 | 18-48 | 28-49 | 9-25 |
| | 21-33 | *Extremely cobbly clay loam, Very cobbly sandy clay loam, very gravelly loam | *GC, GC-GM | *A-2-6, A-7-6, A-1-a | 0-9 | 25-45 | 35-51 | 28-46 | 20-45 | 15-36 | 21-46 | 5-23 |
| | 33-38 | *Extremely cobbly loam, Very gravelly silt loam, very cobbly loam | *GC, | *A-2-6, A-2-4, A-6 | 0-9 | 25-44 | 36-63 | 28-59 | 23-54 | 16-41 | 25-37 | 8-16 |
| | 38-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 54: Chokecherry---- | 0-4 | *Very cobbly sandy loam | *GC-GM, GC | *A-1-b, A-2-4 | 8-11 | 16-21 | 48-63 | 43-59 | 31-48 | 15-26 | 20-28 | 4-9 |
| | 4-9 | *Very cobbly sandy loam, Extremely gravelly sandy loam, very cobbly loam | *SC-SM, SC, GC-GM | *A-1-b, A-2-4, A-1-a | 0-7 | 50-63 | 43-70 | 36-65 | 26-52 | 13-28 | 20-28 | 4-9 |
| | 9-18 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a, A-1-b | 0-5 | 43-58 | 30-59 | 23-56 | 17-45 | 9-24 | 23-28 | 6-9 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Tubbs Hollow--- | 0-3 | *Gravelly loam | *SC, GC-GM | *A-4, A-2-4, A-6 | 0 | 0-9 | 60-85 | 54-81 | 45-73 | 31-53 | 25-37 | 6-12 |
| | 3-12 | *Gravelly loam, Very gravelly loam, very gravelly sandy loam | *GC, GC-GM | *A-4, A-1-b, A-6 | 0 | 0-9 | 50-66 | 43-61 | 35-55 | 24-40 | 21-33 | 4-12 |
| | 12-25 | *Extremely cobbly loam, Extremely cobbly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-6 | 8-16 | 48-72 | 45-74 | 36-69 | 29-62 | 20-45 | 18-31 | 4-12 |
| | 25-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Sheep Creek, dry----- | 0-5 | *Gravelly sandy loam | *SM, SC-SM | *A-2-6, A-1-b | 0-2 | 0-15 | 62-82 | 57-80 | 39-67 | 18-36 | 26-47 | 6-17 |
| | 5-11 | *Gravelly loam, Very cobbly loam, gravelly silt loam | *GC, GC-GM | *A-6, A-7-6, A-2-4 | 0-4 | 0-27 | 59-80 | 53-78 | 43-74 | 30-55 | 24-45 | 6-17 |
| | 11-21 | *Very gravelly clay loam, Very cobbly silty clay loam, extremely cobbly clay loam | *GC, | *A-2-7, A-2-4, A-7-6 | 0 | 9-39 | 38-60 | 31-60 | 24-60 | 18-48 | 28-49 | 9-25 |
| | 21-33 | *Extremely cobbly clay loam, Very cobbly sandy clay loam, very gravelly loam | *GC, GC-GM | *A-2-6, A-7-6, A-1-a | 0-9 | 25-45 | 35-51 | 28-46 | 20-45 | 15-36 | 21-46 | 5-23 |
| | 33-38 | *Extremely cobbly loam, Very gravelly silt loam, very cobbly loam | *GC, | *A-2-6, A-2-4, A-6 | 0-9 | 25-44 | 36-63 | 28-59 | 23-54 | 16-41 | 25-37 | 8-16 |
| | 38-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|---------------------------------|-------|--|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 55: Church Springs, dry----- | 0-2 | *Silt loam | *CL, | *A-6, | 0 | 0 | 88-100 | 88-100 | 84-100 | 78-95 | 31-40 | 11-15 |
| | 2-11 | *Silt loam | *CL, | *A-6, | 0 | 0 | 89-100 | 89-100 | 86-100 | 80-95 | 29-38 | 11-14 |
| | 11-21 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 90-100 | 90-100 | 87-100 | 83-99 | 36-42 | 18-22 |
| | 21-30 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 91-100 | 91-100 | 87-100 | 84-99 | 35-42 | 18-22 |
| | 30-60 | *Silt loam, Loam, silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 91-100 | 85-100 | 81-100 | 27-35 | 10-16 |
| Monida, dry---- | 0-3 | *Silt loam | *ML, CL | *A-6, A-7-6 | 0 | 0-2 | 79-100 | 77-100 | 71-98 | 59-82 | 33-44 | 12-17 |
| | 3-7 | *Silty clay loam, Gravelly silty clay loam, gravelly clay loam, clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 73-84 | 67-84 | 64-84 | 57-76 | 39-49 | 19-24 |
| | 7-15 | *Gravelly silty clay loam, Silty clay loam, gravelly clay loam, clay loam, silt loam, loam | *CL, | *A-7-6, A-6 | 0 | 0-7 | 67-82 | 63-82 | 61-82 | 55-77 | 38-47 | 18-24 |
| | 15-33 | *Very gravelly silt loam, Silt loam, loam, very fine sandy loam | *GC, CL, GC-GM | *A-4, A-6 | 0 | 0 | 53-76 | 49-76 | 42-76 | 34-65 | 20-37 | 5-16 |
| | 33-57 | *Gravelly silt loam, Silt loam, loam, very fine sandy loam | *GC, CL, GC-GM | *A-4, A-6 | 0 | 0-6 | 54-75 | 49-75 | 42-75 | 34-64 | 20-36 | 5-16 |
| | 57-60 | *Very fine sandy loam, Gravelly silt loam, loam, silt loam | *CL, GC-GM | *A-4, A-6 | 0 | 0-6 | 74-91 | 71-91 | 70-91 | 39-64 | 20-36 | 5-16 |
| 56: Cleavage----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0-1 | 0-3 | 87-100 | 84-100 | 69-92 | 48-67 | 21-30 | 4-11 |
| | 2-6 | *Loam, Gravelly loam, cobbly loam | *CL-ML, CL, SC-SM | *A-4, A-6 | 0-1 | 0-3 | 78-100 | 75-100 | 61-92 | 43-67 | 21-30 | 4-11 |
| | 6-9 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, | *A-6, A-7-6, A-2-6 | 0-2 | 9-19 | 39-60 | 31-53 | 27-52 | 21-42 | 34-43 | 14-21 |
| | 9-14 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, GP-GC | *A-2-6, A-2-7 | 0-8 | 15-35 | 28-52 | 17-45 | 15-44 | 11-35 | 34-43 | 14-21 |
| | 14-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop--- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 57: Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |
| 58: Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 59: Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |
| Grecan----- | 0-3 | *Loam | *CL, ML | *A-6, A-4 | 0 | 0 | 88-100 | 83-100 | 71-91 | 51-67 | 29-39 | 9-13 |
| | 3-9 | *Loam | *CL, ML | *A-6, A-4 | 0 | 0 | 88-100 | 83-100 | 71-91 | 51-67 | 29-39 | 9-13 |
| | 9-22 | *Clay loam | *CL, CH | *A-7-6, | 0 | 0 | 87-100 | 81-100 | 70-97 | 55-77 | 41-55 | 21-28 |
| | 22-28 | *Clay, Clay loam | *CH, CL | *A-7-6, | 0 | 0 | 87-100 | 82-100 | 72-98 | 57-80 | 46-57 | 25-33 |
| | 28-32 | *Clay, Clay loam | *CH, CL | *A-7-6, | 0 | 0 | 87-100 | 82-100 | 72-98 | 57-80 | 46-57 | 25-33 |
| | 32-41 | *Clay loam, Loam | *CL, SC | *A-6, A-7-6 | 0 | 0 | 81-95 | 75-91 | 61-89 | 46-71 | 29-46 | 12-25 |
| | 41-60 | *Loam, Clay loam | *CL, SC | *A-6, A-7-6 | 0 | 0 | 82-95 | 76-91 | 63-91 | 46-72 | 29-46 | 12-25 |
| 60: Cooley, dry---- | 0-2 | *Very gravelly sandy loam | *GM, GC-GM | *A-1-b, | 0-1 | 9-19 | 51-57 | 45-52 | 34-42 | 16-22 | 15-20 | NP-5 |
| | 2-10 | *Very gravelly sandy loam, Very gravelly loam | *GM, GC-GM | *A-1-b, | 0-3 | 9-15 | 51-58 | 46-53 | 34-44 | 17-24 | 20-25 | NP-5 |
| | 10-22 | *Very gravelly sandy loam, Very gravelly loam | *GM, GC-GM | *A-1-b, A-1-a | 0-3 | 8-15 | 41-52 | 35-47 | 26-39 | 13-21 | 20-25 | NP-5 |
| | 22-33 | *Very gravelly sandy loam, Extremely gravelly sandy loam | *GM, GW-GM, GC-GM | *A-1-b, A-1-a | 0-7 | 8-20 | 39-52 | 32-47 | 24-38 | 12-20 | 15-20 | NP-5 |
| | 33-53 | *Extremely gravelly sandy loam, Very gravelly sandy loam | *GW-GM, GC-GM, GP-GM | *A-1-a, A-1-b | 0-1 | 11-20 | 29-49 | 22-43 | 16-34 | 8-18 | 15-20 | NP-5 |
| | 53-60 | *Extremely gravelly sandy loam, Very gravelly sandy loam | *GP-GM, GC-GM | *A-1-a, A-1-b | 0-9 | 11-25 | 27-49 | 19-43 | 15-34 | 7-18 | 15-20 | NP-5 |
| Beehunt, dry--- | 0-8 | *Extremely gravelly loam | *GM, GP-GM | *A-2-6, A-2-4, A-2-7 | 9-18 | 18-33 | 26-43 | 18-36 | 15-33 | 11-24 | 34-45 | 10-16 |
| | 8-21 | *Extremely cobbly loam | *GM, GP-GM | *A-2-6, A-2-7, A-2-4 | 9-18 | 18-33 | 23-41 | 15-33 | 13-30 | 9-22 | 34-45 | 10-16 |
| | 21-37 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GP-GC | *A-2-6, A-2-7, A-2-4 | 9-17 | 17-32 | 24-38 | 16-32 | 14-29 | 10-22 | 29-43 | 10-17 |
| | 37-54 | *Extremely cobbly loam | *GC, GP-GC | *A-2-6, | 9-17 | 17-44 | 24-42 | 16-35 | 14-32 | 10-25 | 29-39 | 12-19 |
| | 54-60 | *Extremely cobbly loam, Extremely gravelly loam, extremely gravelly sandy loam | *GC, GP-GC | *A-2-6, A-2-7, A-2-4 | 9-17 | 32-44 | 24-44 | 16-38 | 14-35 | 10-26 | 29-43 | 10-17 |
| 61: Crossley----- | 0-3 | *Extremely gravelly loam | *GC-GM, GC | *A-1-b, A-1-a, A-2-4 | 0-4 | 32-40 | 30-40 | 21-34 | 18-31 | 13-22 | 20-26 | 4-8 |
| | 3-11 | *Very stony sandy loam, Very cobbly loam | *GC-GM, SC, GM | *A-1-b, A-1-a, A-2-4 | 31-40 | 14-40 | 46-68 | 39-65 | 28-53 | 13-28 | 20-28 | 2-9 |
| | 11-17 | *Extremely stony sandy loam, Very cobbly loam, very cobbly sandy loam | *SC-SM, SC, SM | *A-2-4, A-1-b | 35-48 | 35-48 | 68-88 | 66-88 | 47-72 | 22-38 | 20-28 | 2-9 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop--- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 62: Crossley----- | 0-3 | *Extremely gravelly loam | *GC-GM, GC | *A-1-b, A-1-a, A-2-4 | 0-4 | 32-40 | 30-40 | 21-34 | 18-31 | 13-22 | 20-26 | 4-8 |
| | 3-11 | *Very stony sandy loam, Very cobbly loam | *GC-GM, SC, GM | *A-1-b, A-1-a, A-2-4 | 31-40 | 14-40 | 46-68 | 39-65 | 28-53 | 13-28 | 20-28 | 2-9 |
| | 11-17 | *Extremely stony sandy loam, Very cobbly loam, very cobbly sandy loam | *SC-SM, SC, SM | *A-2-4, A-1-b | 35-48 | 35-48 | 68-88 | 66-88 | 47-72 | 22-38 | 20-28 | 2-9 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Whitetop----- | 0-4 | *Ashy fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 4-16 | *Parachannery ashy fine sandy loam, Ashy fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 16-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop--- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 63: Cupine----- | 0-3 | *Channery sandy loam | *SC-SM, SC, SM | *A-2-4, | 0-1 | 8-14 | 73-83 | 72-82 | 52-65 | 24-33 | 15-25 | NP-10 |
| | 3-10 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, SC, SM | *A-2-4, A-4, A-1-b | 0-1 | 8-18 | 61-82 | 60-81 | 43-67 | 21-37 | 15-25 | NP-10 |
| | 10-17 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, GM, SC | *A-2-4, A-1-b | 0-1 | 10-22 | 52-77 | 50-76 | 36-63 | 18-34 | 15-25 | NP-10 |
| | 17-23 | *Extremely channery sandy loam | *GP-GM, GP-GC | *A-1-a, | 6-14 | 36-48 | 16-35 | 13-33 | 10-26 | 5-14 | 15-20 | NP-5 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dunford----- | 0-5 | *Stony loam | *CL, SC-SM | *A-4, A-6 | 21-28 | 0-1 | 76-88 | 75-88 | 63-80 | 44-59 | 26-37 | 7-13 |
| | 5-11 | *Gravelly clay loam, Cobbly clay loam | *CL, GC | *A-6, | 0 | 10-20 | 73-81 | 70-79 | 62-75 | 49-60 | 36-42 | 18-23 |
| | 11-20 | *Cobbly clay loam, Gravelly clay loam | *CL, GC | *A-6, | 0 | 13-20 | 72-86 | 67-86 | 60-81 | 47-64 | 35-41 | 18-23 |
| | 20-27 | *Cobbly clay loam, Gravelly clay loam | *CL, GC | *A-6, | 0 | 19-24 | 68-86 | 64-85 | 57-80 | 44-64 | 35-41 | 18-23 |
| | 27-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 64: Cupine, dry---- | 0-3 | *Channery sandy loam | *SC-SM, SC, SM | *A-2-4, | 0-1 | 8-14 | 73-83 | 72-82 | 52-65 | 24-33 | 15-25 | NP-10 |
| | 3-10 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, SC, SM | *A-2-4, A-1-b, A-4 | 0-1 | 8-18 | 61-82 | 60-81 | 43-67 | 21-37 | 15-25 | NP-10 |
| | 10-17 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, GM, SC | *A-2-4, A-1-b | 0-1 | 10-22 | 52-77 | 50-76 | 36-63 | 18-34 | 15-25 | NP-10 |
| | 17-23 | *Extremely channery sandy loam | *GP-GM, GP-GC | *A-1-a, | 6-14 | 36-48 | 16-35 | 13-33 | 10-26 | 5-14 | 15-20 | NP-5 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Falula, dry---- | 0-4 | *Extremely cobbly silt loam | *GC, GC-GM | *A-2-4, A-2-6 | 0-1 | 46-55 | 27-43 | 19-36 | 19-36 | 14-29 | 25-30 | 7-11 |
| | 4-12 | *Extremely cobbly silt loam, Very cobbly loam | *GP-GC, GC | *A-2-4, A-2-6 | 0-2 | 28-52 | 21-42 | 12-36 | 12-36 | 9-29 | 25-30 | 7-11 |
| | 12-18 | *Extremely cobbly silt loam, Extremely gravelly silt loam, very gravelly silt loam, extremely cobbly loam | *GP-GC, GC | *A-2-4, A-2-6 | 0 | 19-52 | 20-41 | 11-34 | 11-34 | 9-28 | 25-32 | 7-13 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 65: Dennot, dry---- | 0-6 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0-3 | 79-91 | 76-91 | 64-83 | 46-61 | 21-28 | 4-9 |
| | 6-20 | *Gravelly loam, Very gravelly loam | *GC-GM, GC | *A-4, A-1-b | 0 | 0-9 | 48-70 | 41-67 | 34-62 | 25-46 | 21-28 | 4-9 |
| | 20-42 | *Extremely gravelly sandy loam, Very cobbly loam, very gravelly loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 0-9 | 21-44 | 15-38 | 13-35 | 8-23 | 21-28 | 4-9 |
| | 42-49 | *Extremely gravelly loamy sand, Very gravelly sandy loam | *GW-GC, GP, GP-GC | *A-2-4, A-1-a | 0 | 0-8 | 22-46 | 16-40 | 13-35 | 3-11 | 18-28 | 4-9 |
| | 49-62 | *Extremely gravelly loam, Very gravelly sandy loam, very gravelly loam, very cobbly loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 0-8 | 21-41 | 13-35 | 10-33 | 7-24 | 18-28 | 4-9 |
| Thatcher, dry-- | 0-10 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 86-100 | 80-97 | 25-35 | 5-10 |
| | 10-19 | *Silty clay loam, Clay loam, silt loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 89-100 | 83-100 | 80-99 | 25-35 | 10-15 |
| | 19-28 | *Silty clay loam, Clay loam, silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 91-100 | 89-100 | 84-100 | 80-100 | 25-35 | 5-15 |
| | 28-42 | *Silty clay loam, Silt loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 78-100 | 75-100 | 25-35 | 5-15 |
| | 42-60 | *Silt loam, Silty clay loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 77-100 | 73-100 | 25-35 | 5-15 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|-------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 66: Dingle----- | 0-6 | *Muck | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 6-18 | *Muck | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 18-23 | *Muck | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 23-36 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 78-88 | 30-35 | 10-15 |
| | 36-60 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 78-88 | 30-35 | 10-15 |
| 67: Dinswamp----- | 0-2 | *Mucky peat | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 2-10 | *Mucky peat | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 10-12 | *Mucky peat | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 12-18 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 87-100 | 30-40 | 10-20 |
| | 18-40 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 87-100 | 30-40 | 10-20 |
| | 40-60 | *Fine sandy loam, Silt loam, silty clay loam | *SC, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 93-100 | 45-57 | 28-39 | 9-18 |
| 68: Dipcreek----- | 0-4 | *Gravelly loam | *SC-SM, GC-GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cutoff----- | 0-3 | *Gravelly loam | *SC, GC-GM, GC | *A-4, | 0-1 | 0-6 | 67-77 | 64-74 | 53-68 | 37-50 | 21-30 | 5-10 |
| | 3-5 | *Loam, Gravelly loam | *CL, GC-GM | *A-4, | 0-1 | 0-6 | 68-84 | 64-82 | 53-76 | 37-55 | 21-30 | 5-10 |
| | 5-9 | *Gravelly loam, Gravelly sandy loam, very gravelly loam | *GC, GC-GM | *A-4, A-1-b, A-6 | 0-2 | 1-12 | 48-71 | 43-68 | 35-66 | 24-49 | 21-35 | 5-15 |
| | 9-23 | *Very gravelly loam, Extremely gravelly loam, very gravelly sandy loam | *GC, GC-GM | *A-2-4, A-2-6, A-1-a | 0-7 | 0-21 | 28-49 | 22-43 | 18-42 | 13-31 | 21-35 | 5-15 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Sheep Creek---- | 0-5 | *Gravelly sandy loam | *SM, SC-SM | *A-2-6, A-1-b | 0-2 | 0-15 | 62-82 | 57-80 | 39-67 | 18-36 | 26-47 | 6-17 |
| | 5-11 | *Gravelly loam, Very cobbly loam, gravelly silt loam | *GC, GC-GM | *A-6, A-7-6, A-2-4 | 0-4 | 0-27 | 59-80 | 53-78 | 43-74 | 30-55 | 24-45 | 6-17 |
| | 11-21 | *Very gravelly clay loam, Very cobbly silty clay loam, extremely cobbly clay loam | *GC, | *A-2-7, A-2-4, A-7-6 | 0 | 9-39 | 38-60 | 31-60 | 24-60 | 18-48 | 28-49 | 9-25 |
| | 21-33 | *Extremely cobbly clay loam, Very cobbly sandy clay loam, very gravelly loam | *GC, GC-GM | *A-2-6, A-7-6, A-1-a | 0-9 | 25-45 | 35-51 | 28-46 | 20-45 | 15-36 | 21-46 | 5-23 |
| | 33-38 | *Extremely cobbly loam, Very gravelly silt loam, very cobbly loam | *GC, | *A-2-6, A-2-4, A-6 | 0-9 | 25-44 | 36-63 | 28-59 | 23-54 | 16-41 | 25-37 | 8-16 |
| | 38-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 69: Dipcreek----- | 0-4 | *Gravelly loam | *SC-SM, GC-GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop---- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|--------------------|-----------------------|-------|-----------------------------------|-------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 70: Dirtyhead----- | 0-8 | *Channery loam | *GC, GM | *A-4, A-6 | 0 | 12-17 | 61-74 | 59-73 | 50-67 | 36-49 | 25-36 | 8-11 |
| | 8-18 | *Very channery loam, Very gravelly loam, very gravelly silt loam | *GC-GM, GC | *A-4, A-1-b | 0 | 17-21 | 40-60 | 36-58 | 30-52 | 21-38 | 20-28 | 4-8 |
| | 18-26 | *Very channery loam, Very gravelly loam, very gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-b | 0 | 19-24 | 37-56 | 34-55 | 29-49 | 20-35 | 20-27 | 4-8 |
| | 26-32 | *Very channery loam, Very gravelly loam, very gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-b, A-4 | 0 | 18-23 | 38-57 | 35-55 | 29-50 | 20-36 | 20-27 | 4-8 |
| | 32-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| 71: Dirtyhead----- | 0-8 | *Channery loam | *GC, GM | *A-4, A-6 | 0 | 12-17 | 61-74 | 59-73 | 50-67 | 36-49 | 25-36 | 8-11 |
| | 8-18 | *Very channery loam, Very gravelly loam, very gravelly silt loam | *GC-GM, GC | *A-4, A-1-b | 0 | 17-21 | 40-60 | 36-58 | 30-52 | 21-38 | 20-28 | 4-8 |
| | 18-26 | *Very channery loam, Very gravelly loam, very gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-b | 0 | 19-24 | 37-56 | 34-55 | 29-49 | 20-35 | 20-27 | 4-8 |
| | 26-32 | *Very channery loam, Very gravelly loam, very gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-b, A-4 | 0 | 18-23 | 38-57 | 35-55 | 29-50 | 20-36 | 20-27 | 4-8 |
| | 32-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Mumford----- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 72: Dollarhide----- | 0-6 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-2-4, A-1-a | 0 | 9-24 | 46-56 | 40-51 | 29-41 | 14-21 | 21-26 | 4-8 |
| | 6-13 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-1-a, A-2-4 | 0 | 17-25 | 44-56 | 37-51 | 27-41 | 13-21 | 21-26 | 4-8 |
| | 13-19 | *Extremely gravelly sandy loam, Very gravelly sandy loam, extremely cobbly loam | *GW-GC, GC | *A-2-4, A-1-a | 0 | 13-24 | 27-46 | 19-40 | 14-32 | 7-17 | 23-28 | 6-9 |
| | 19-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 73: Dollarhide----- | 0-6 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-2-4, A-1-a | 0 | 9-24 | 46-56 | 40-51 | 29-41 | 14-21 | 21-26 | 4-8 |
| | 6-13 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-1-a, A-2-4 | 0 | 17-25 | 44-56 | 37-51 | 27-41 | 13-21 | 21-26 | 4-8 |
| | 13-19 | *Extremely gravelly sandy loam, Very gravelly sandy loam, extremely cobbly loam | *GW-GC, GC | *A-2-4, A-1-a | 0 | 13-24 | 27-46 | 19-40 | 14-32 | 7-17 | 23-28 | 6-9 |
| | 19-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Grunder----- | 0-3 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 3-12 | *Silt loam | *CL, | *A-4, A-6 | 0 | 0 | 91-100 | 88-100 | 80-97 | 66-81 | 26-32 | 8-13 |
| | 12-22 | *Silty clay loam, Clay loam, gravelly clay loam, gravelly silt loam | *CL, | *A-6, A-7-6 | 0 | 0-6 | 77-98 | 75-98 | 71-98 | 63-91 | 35-43 | 15-21 |
| | 22-26 | *Gravelly silty clay loam, Gravelly clay loam, gravelly loam | *CL, GC-GM | *A-6, A-4 | 0 | 0-9 | 63-74 | 58-74 | 50-74 | 44-67 | 21-39 | 4-18 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 74: Drage----- | 0-4 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0-2 | 0 | 84-100 | 82-100 | 75-98 | 62-82 | 30-41 | 10-15 |
| | 4-10 | *Silt loam | *CL, | *A-6, A-4 | 0-2 | 0 | 85-90 | 82-90 | 75-87 | 62-73 | 27-39 | 10-15 |
| | 10-22 | *Very gravelly silty clay loam, Very gravelly clay loam, very cobbly silty clay loam, very cobbly clay loam | *GC, | *A-7-6, A-6 | 0-7 | 9-26 | 51-57 | 45-52 | 44-52 | 39-49 | 37-47 | 19-25 |
| | 22-38 | *Extremely cobbly silty clay loam, Very cobbly clay loam, very gravelly clay loam, very gravelly silty clay loam | *GC, CL | *A-7-6, A-2-6 | 0-7 | 35-45 | 38-61 | 31-56 | 30-56 | 27-53 | 37-46 | 19-25 |
| | 38-60 | *Extremely cobbly silt loam, Very cobbly silt loam, very cobbly loam | *GC, | *A-2-6, A-6 | 0-1 | 37-57 | 33-59 | 26-55 | 23-53 | 19-45 | 29-37 | 11-17 |
| Causey----- | 0-5 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-98 | 80-98 | 72-94 | 58-77 | 28-39 | 9-13 |
| | 5-15 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-98 | 80-98 | 70-92 | 58-77 | 28-39 | 9-13 |
| | 15-23 | *Gravelly silt loam | *CL, GC | *A-6, | 0 | 0-4 | 64-77 | 59-74 | 54-73 | 47-64 | 30-39 | 12-16 |
| | 23-60 | *Gravelly silt loam | *CL, GC | *A-6, | 0 | 0-9 | 65-78 | 60-75 | 55-75 | 46-63 | 28-36 | 12-16 |
| Lilcan----- | 0-3 | *Gravelly silt loam | *GC-GM, GM | *A-4, A-2-4 | 0-1 | 0-15 | 51-67 | 45-63 | 40-61 | 32-50 | 23-36 | 4-10 |
| | 3-9 | *Very cobbly silt loam, Very gravelly loam, extremely gravelly sandy loam | *GC-GM, GC, GM | *A-2-4, A-1-b, A-4 | 0-3 | 16-35 | 33-55 | 25-50 | 22-47 | 17-38 | 20-30 | 3-8 |
| | 9-15 | *Extremely cobbly silt loam, Very gravelly loam, extremely gravelly sandy loam | *GC-GM, GM | *A-1-b, A-2-4 | 0-3 | 30-55 | 36-59 | 29-54 | 25-51 | 19-41 | 16-26 | 2-7 |
| | 15-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|-------------|-----------------------|------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 75: Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| Hoopgobel----- | 0-4 | *Loam | *CL, | *A-4, A-6 | 0 | 0-2 | 88-100 | 87-100 | 75-90 | 54-66 | 26-30 | 8-11 |
| | 4-9 | *Gravelly loam, Loam | *SC, CL | *A-4, A-6 | 0 | 0-1 | 77-100 | 74-100 | 64-90 | 46-66 | 26-30 | 8-11 |
| | 9-18 | *Gravelly clay loam, Clay loam | *CL, SC | *A-6, | 0 | 0-1 | 75-86 | 72-86 | 63-81 | 49-64 | 35-40 | 15-20 |
| | 18-24 | *Gravelly clay loam, Clay loam | *CL, GC | *A-6, | 0 | 0-1 | 73-86 | 69-86 | 61-81 | 47-64 | 35-40 | 15-20 |
| | 24-28 | *Paragravelly clay loam, Gravelly clay loam, gravelly loam, clay loam | *CL, | *A-6, | 0 | 0-6 | 83-100 | 80-100 | 70-93 | 54-73 | 34-39 | 14-19 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Ledgehollow---- | 0-4 | *Gravelly loam | *SC, CL, GC | *A-4, A-6 | 0 | 0 | 71-81 | 67-81 | 58-73 | 42-53 | 26-30 | 8-11 |
| | 4-9 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, | 0 | 0 | 70-79 | 67-75 | 57-71 | 42-54 | 30-37 | 11-16 |
| | 9-15 | *Gravelly clay loam, Paragravelly clay loam, gravelly loam | *CL, SC | *A-6, | 0 | 0 | 75-91 | 71-91 | 59-85 | 45-67 | 30-37 | 11-16 |
| | 15-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 76: Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| Pavohroo----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-5 | *Loam | *CL, | *A-6, A-4 | 0-2 | 0-4 | 84-100 | 80-100 | 69-92 | 50-68 | 28-34 | 9-14 |
| | 5-12 | *Gravelly loam, Silt loam, gravelly silt loam, clay loam | *GC, CL | *A-6, A-4 | 0-10 | 0-19 | 66-89 | 62-89 | 53-87 | 38-66 | 28-34 | 9-14 |
| | 12-17 | *Gravelly loam, Silt loam, gravelly silt loam, clay loam | *GC, CL | *A-6, A-4 | 0-9 | 0-18 | 67-90 | 63-90 | 54-87 | 39-67 | 28-34 | 9-14 |
| | 17-24 | *Gravelly loam, Silt loam, gravelly silt loam, clay loam | *SC, CL, GC | *A-6, A-4 | 0-9 | 0-18 | 67-90 | 63-90 | 52-85 | 38-65 | 28-34 | 9-14 |
| | 24-32 | *Gravelly clay loam, Silt loam, gravelly silt loam, gravelly loam | *CL, GC | *A-6, A-4 | 0-9 | 0-17 | 68-90 | 64-90 | 51-83 | 39-65 | 28-39 | 9-18 |
| | 32-41 | *Gravelly clay loam, Silt loam, gravelly silt loam, gravelly loam | *GC, CL | *A-6, A-4 | 0-9 | 0-17 | 68-90 | 64-90 | 51-85 | 39-67 | 28-39 | 9-18 |
| | 41-60 | *Gravelly loam, Gravelly silt loam, silt loam, gravelly clay loam | *GC, CL | *A-6, A-4 | 0-9 | 0-17 | 68-84 | 64-82 | 54-79 | 39-60 | 28-34 | 9-14 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|---------------|-----------------------|------|-----------------------------------|-------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 77: Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| Pontuge----- | 0-3 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 78-98 | 73-98 | 63-97 | 51-80 | 20-30 | 5-15 |
| | 3-10 | *Gravelly silt loam, Silt loam | *GC, CL, GC-GM | *A-4, A-6 | 0 | 0 | 63-89 | 58-89 | 50-88 | 40-73 | 20-30 | 5-15 |
| | 10-17 | *Gravelly silt loam, Gravelly loam, gravelly clay loam | *CL, GC | *A-6, A-4 | 0 | 0-3 | 58-77 | 53-74 | 48-74 | 41-66 | 30-40 | 10-20 |
| | 17-21 | *Gravelly loam, Gravelly silt loam, gravelly clay loam | *GC, CL | *A-6, A-2-4 | 0 | 0-3 | 58-77 | 53-74 | 45-71 | 33-54 | 30-40 | 10-20 |
| | 21-24 | *Gravelly loam, Gravelly sandy loam, very gravelly sandy loam | *GC-GM, GC | *A-4, A-2-4 | 0 | 0-8 | 51-65 | 45-62 | 38-57 | 27-42 | 25-30 | 5-10 |
| | 24-42 | *Extremely gravelly sandy loam, Very gravelly sandy loam | *GC-GM, GC, GW-GC | *A-2-4, A-1-a | 0 | 0-29 | 36-62 | 24-58 | 17-48 | 8-25 | 15-28 | 5-10 |
| | 42-60 | *Extremely gravelly loamy sand, Very gravelly sandy loam, gravelly loamy sand | *GP-GM, GC-GM | *A-1-a, A-1-b | 0 | 0-15 | 26-50 | 19-50 | 15-40 | 5-21 | 10-20 | NP-5 |
| 78: Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| Poulridge----- | 0-3 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 3-8 | *Silt loam | *CL, ML | *A-6, A-7-6 | 0 | 0 | 76-98 | 72-98 | 65-95 | 54-80 | 33-45 | 12-17 |
| | 8-15 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0 | 78-98 | 74-98 | 66-95 | 55-80 | 31-43 | 12-17 |
| | 15-31 | *Clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 80-98 | 76-98 | 68-94 | 53-76 | 38-47 | 19-25 |
| | 31-37 | *Paragravelly loamy very fine sand, Very paragravelly loamy very fine sand | *SC-SM, SM, CL | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 44-54 | 16-27 | 2-10 |
| | 37-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 79: Dranyon----- | 0-3 | *Silt loam | *ML, CL | *A-6, A-4, A-7-6 | 0 | 0 | 80-90 | 77-90 | 70-87 | 58-73 | 32-43 | 10-15 |
| | 3-9 | *Gravelly silt loam, Loam, silt loam | *CL, | *A-6, A-4 | 0 | 0-2 | 77-90 | 73-90 | 66-87 | 55-73 | 28-39 | 9-18 |
| | 9-20 | *Gravelly silty clay loam, Very gravelly silty clay loam, gravelly loam, gravelly silt loam | *CL, GC | *A-6, A-4 | 0 | 0-1 | 61-78 | 56-75 | 52-75 | 46-69 | 28-39 | 9-18 |
| | 20-26 | *Very gravelly silty clay loam, Gravelly loam, gravelly silty clay loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0 | 0-17 | 63-72 | 58-68 | 54-68 | 48-63 | 33-44 | 13-22 |
| | 26-44 | *Very gravelly clay loam, Gravelly clay loam, cobbly clay loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6, A-2-6 | 0 | 9-17 | 56-74 | 51-71 | 45-67 | 35-53 | 33-44 | 13-22 |
| | 44-60 | *Cobbly clay loam, Gravelly clay loam, gravelly silty clay loam, very gravelly clay loam | *CL, GC | *A-6, A-7-6 | 0 | 13-26 | 69-87 | 66-86 | 58-81 | 44-63 | 33-44 | 13-22 |
| 80: Dry Canyon, dry | 0-3 | *Loam | *CL, | *A-6, A-4 | 0 | 0-5 | 87-100 | 84-100 | 72-92 | 51-68 | 25-32 | 8-13 |
| | 3-10 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 81-90 | 79-90 | 71-90 | 61-81 | 28-39 | 9-18 |
| | 10-18 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 82-91 | 79-91 | 71-91 | 62-81 | 28-39 | 9-18 |
| | 18-25 | *Gravelly silty clay loam, Gravelly clay loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 54-75 | 48-71 | 33-44 | 13-22 |
| | 25-38 | *Gravelly clay loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 48-72 | 37-58 | 33-44 | 13-22 |
| | 38-48 | *Gravelly loam, Gravelly silt loam, gravelly clay loam, gravelly silty clay loam | *CL, GC | *A-6, A-7-6 | 0-4 | 0-4 | 70-78 | 66-75 | 58-75 | 43-58 | 33-44 | 13-22 |
| | 48-53 | *Loam, Silt loam, gravelly loam | *CL, | *A-6, A-4 | 0-6 | 0-6 | 84-91 | 83-91 | 70-83 | 50-61 | 26-32 | 8-13 |
| | 53-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 81: Dry Canyon, dry | 0-3 | *Loam | *CL, | *A-6, A-4 | 0 | 0-5 | 87-100 | 84-100 | 72-92 | 51-68 | 25-32 | 8-13 |
| | 3-10 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 81-90 | 79-90 | 71-90 | 61-81 | 28-39 | 9-18 |
| | 10-18 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 82-91 | 79-91 | 71-91 | 62-81 | 28-39 | 9-18 |
| | 18-25 | *Gravelly silty clay loam, Gravelly clay loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 54-75 | 48-71 | 33-44 | 13-22 |
| | 25-38 | *Gravelly clay loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 48-72 | 37-58 | 33-44 | 13-22 |
| | 38-48 | *Gravelly loam, Gravelly silt loam, gravelly clay loam, gravelly silty clay loam | *CL, GC | *A-6, A-7-6 | 0-4 | 0-4 | 70-78 | 66-75 | 58-75 | 43-58 | 33-44 | 13-22 |
| | 48-53 | *Loam, Silt loam, gravelly loam | *CL, | *A-6, A-4 | 0-6 | 0-6 | 84-91 | 83-91 | 70-83 | 50-61 | 26-32 | 8-13 |
| | 53-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|----------------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 81: Cutoff----- | 0-3 | *Gravelly loam | *SC, GC-GM, GC | *A-4, | 0-1 | 0-6 | 67-77 | 64-74 | 53-68 | 37-50 | 21-30 | 5-10 |
| | 3-5 | *Loam, Gravelly loam | *CL, GC-GM | *A-4, | 0-1 | 0-6 | 68-84 | 64-82 | 53-76 | 37-55 | 21-30 | 5-10 |
| | 5-9 | *Gravelly loam, Gravelly sandy loam, very gravelly loam | *GC, GC-GM | *A-4, A-1-b, A-6 | 0-2 | 1-12 | 48-71 | 43-68 | 35-66 | 24-49 | 21-35 | 5-15 |
| | 9-23 | *Very gravelly loam, Extremely gravelly loam, very gravelly sandy loam | *GC, GC-GM | *A-2-4, A-2-6, A-1-a | 0-7 | 0-21 | 28-49 | 22-43 | 18-42 | 13-31 | 21-35 | 5-15 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 82: Dumps, mine. | | | | | | | | | | | | |
| 83: Dutchcanyon---- | 0-7 | *Gravelly silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 62-75 | 57-72 | 51-69 | 41-56 | 23-28 | 6-9 |
| | 7-13 | *Silt loam, Gravelly silt loam | *CL, GC-GM | *A-4, | 0 | 0 | 64-83 | 59-81 | 53-78 | 43-64 | 25-30 | 7-11 |
| | 13-27 | *Loam, Silt loam, gravelly loam, gravelly silt loam | *CL-ML, SC-SM, CL | *A-4, | 0 | 0 | 71-100 | 68-100 | 58-91 | 41-66 | 23-28 | 6-9 |
| | 27-61 | *Loam, Gravelly loam, silt loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 75-100 | 72-100 | 61-91 | 43-66 | 23-28 | 6-9 |
| 84: Dutchcanyon---- | 0-7 | *Gravelly silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 62-75 | 57-72 | 51-69 | 41-56 | 23-28 | 6-9 |
| | 7-13 | *Silt loam, Gravelly silt loam | *CL, GC-GM | *A-4, | 0 | 0 | 64-83 | 59-81 | 53-78 | 43-64 | 25-30 | 7-11 |
| | 13-27 | *Loam, Silt loam, gravelly loam, gravelly silt loam | *CL-ML, SC-SM, CL | *A-4, | 0 | 0 | 71-100 | 68-100 | 58-91 | 41-66 | 23-28 | 6-9 |
| | 27-61 | *Loam, Gravelly loam, silt loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 75-100 | 72-100 | 61-91 | 43-66 | 23-28 | 6-9 |
| Frenchhollow---- | 0-12 | *Silty clay loam | *CL, | *A-7-6, | 0 | 0 | 88-100 | 86-100 | 83-100 | 74-91 | 45-50 | 25-30 |
| | 12-20 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 92-100 | 90-100 | 82-100 | 78-100 | 50-65 | 30-40 |
| | 20-29 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-6, | 0 | 0 | 93-100 | 91-100 | 84-100 | 79-100 | 50-65 | 30-40 |
| | 29-52 | *Silty clay, Clay | *CH, | *A-7-6, | 0 | 0 | 92-100 | 91-100 | 86-100 | 82-100 | 55-65 | 35-40 |
| | 52-62 | *Silty clay, Clay | *CH, | *A-7-6, | 0 | 0 | 92-100 | 91-100 | 86-100 | 82-100 | 55-65 | 35-40 |
| 85: Every----- | 0-4 | *Loam | *CL, SC | *A-6, | 0 | 0 | 76-90 | 74-90 | 62-83 | 46-62 | 30-35 | 10-15 |
| | 4-15 | *Clay loam, Gravelly clay loam, gravelly silty clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0 | 70-91 | 67-91 | 59-86 | 46-69 | 40-45 | 15-20 |
| | 15-43 | *Very gravelly silt loam, Very gravelly loam | *GC, | *A-2-6, A-6, A-2-4 | 0 | 0 | 40-53 | 33-48 | 31-47 | 27-42 | 30-35 | 10-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Preuss----- | 0-2 | *Gravelly silt loam | *GC-GM, CL | *A-4, | 0 | 0 | 53-76 | 49-72 | 44-69 | 36-57 | 25-30 | 5-10 |
| | 2-13 | *Very gravelly loam, Gravelly loam | *GC-GM, GC | *A-2-4, A-1-b, A-4 | 0 | 0 | 36-62 | 30-57 | 26-52 | 18-38 | 25-30 | 5-10 |
| | 13-22 | *Very gravelly loam, Extremely gravelly loam | *GC, GC-GM | *A-2-4, A-2-6, A-1-a | 0 | 0 | 28-51 | 22-47 | 19-43 | 14-32 | 25-35 | 5-15 |
| | 22-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 86: Every----- | 0-4 | *Loam | *CL, SC | *A-6, | 0 | 0 | 76-90 | 74-90 | 62-83 | 46-62 | 30-35 | 10-15 |
| | 4-15 | *Clay loam, Gravelly clay loam, gravelly silty clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0 | 70-91 | 67-91 | 59-86 | 46-69 | 40-45 | 15-20 |
| | 15-43 | *Very gravelly silt loam, Very gravelly loam | *GC, | *A-2-6, A-2-4, A-6 | 0 | 0 | 40-53 | 33-48 | 31-47 | 27-42 | 30-35 | 10-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Preuss----- | 0-2 | *Gravelly silt loam | *GC-GM, CL | *A-4, | 0 | 0 | 53-76 | 49-72 | 44-69 | 36-57 | 25-30 | 5-10 |
| | 2-13 | *Very gravelly loam, Gravelly loam | *GC-GM, GC | *A-2-4, A-1-b, A-4 | 0 | 0 | 36-62 | 30-57 | 26-52 | 18-38 | 25-30 | 5-10 |
| | 13-22 | *Very gravelly loam, Extremely gravelly loam | *GC, GC-GM | *A-2-4, A-2-6, A-1-a | 0 | 0 | 28-51 | 22-47 | 19-43 | 14-32 | 25-35 | 5-15 |
| | 22-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 87: Fishhaven----- | 0-3 | *Gravelly loam | *GM, GC | *A-6, A-2-4 | 0 | 0 | 61-71 | 57-71 | 48-64 | 34-46 | 35-40 | 10-15 |
| | 3-10 | *Silt loam, Gravelly silt loam, gravelly loam | *ML, CL, GM | *A-6, A-4 | 0 | 0 | 68-88 | 64-88 | 58-83 | 47-68 | 35-40 | 10-15 |
| | 10-16 | *Gravelly loam, Gravelly silt loam | *GM, GC | *A-6, A-4 | 0 | 0 | 64-74 | 60-74 | 51-66 | 36-48 | 35-40 | 10-15 |
| | 16-22 | *Gravelly loam, Gravelly silt loam | *GM, GC | *A-6, A-2-4 | 0 | 0 | 60-73 | 56-71 | 47-64 | 33-46 | 35-40 | 10-15 |
| | 22-27 | *Very gravelly loam, Gravelly loam, gravelly silt loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0 | 49-71 | 43-67 | 37-60 | 26-44 | 35-40 | 10-15 |
| | 27-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dutchcanyon---- | 0-7 | *Gravelly silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 62-75 | 57-72 | 51-69 | 41-56 | 23-28 | 6-9 |
| | 7-13 | *Silt loam, Gravelly silt loam | *CL, GC-GM | *A-4, | 0 | 0 | 64-83 | 59-81 | 53-78 | 43-64 | 25-30 | 7-11 |
| | 13-27 | *Loam, Silt loam, gravelly loam, gravelly silt loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 71-100 | 68-100 | 58-91 | 41-66 | 23-28 | 6-9 |
| | 27-61 | *Loam, Gravelly loam, silt loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 75-100 | 72-100 | 61-91 | 43-66 | 23-28 | 6-9 |
| 88: Frenchollow---- | 0-12 | *Silty clay loam | *CL, | *A-7-6, | 0 | 0 | 88-100 | 86-100 | 83-100 | 74-91 | 45-50 | 25-30 |
| | 12-20 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 92-100 | 90-100 | 82-100 | 78-100 | 50-65 | 30-40 |
| | 20-29 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-6, | 0 | 0 | 93-100 | 91-100 | 84-100 | 79-100 | 50-65 | 30-40 |
| | 29-52 | *Silty clay, Clay | *CH, | *A-7-6, | 0 | 0 | 92-100 | 91-100 | 86-100 | 82-100 | 55-65 | 35-40 |
| | 52-62 | *Silty clay, Clay | *CH, | *A-7-6, | 0 | 0 | 92-100 | 91-100 | 86-100 | 82-100 | 55-65 | 35-40 |
| 89: Frenchollow---- | 0-12 | *Silty clay loam | *CL, | *A-7-6, | 0 | 0 | 88-100 | 86-100 | 83-100 | 74-91 | 45-50 | 25-30 |
| | 12-20 | *Silty clay, Silty clay loam | *CH, | *A-7-6, | 0 | 0 | 92-100 | 90-100 | 82-100 | 78-100 | 50-65 | 30-40 |
| | 20-29 | *Silty clay, Clay, silty clay loam | *CH, | *A-7-6, | 0 | 0 | 93-100 | 91-100 | 84-100 | 79-100 | 50-65 | 30-40 |
| | 29-52 | *Silty clay, Clay | *CH, | *A-7-6, | 0 | 0 | 92-100 | 91-100 | 86-100 | 82-100 | 55-65 | 35-40 |
| | 52-62 | *Silty clay, Clay | *CH, | *A-7-6, | 0 | 0 | 92-100 | 91-100 | 86-100 | 82-100 | 55-65 | 35-40 |
| 90: Fury----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-12 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0 | 100 | 100 | 94-100 | 90-99 | 34-42 | 15-22 |
| | 12-21 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 91-100 | 87-100 | 36-50 | 17-28 |
| | 21-31 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 89-100 | 89-100 | 80-100 | 76-100 | 36-50 | 17-28 |
| | 31-41 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 90-100 | 90-100 | 81-100 | 77-100 | 36-50 | 17-28 |
| | 41-51 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 90-100 | 90-100 | 86-100 | 82-100 | 36-50 | 17-28 |
| | 51-60 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 90-100 | 90-100 | 86-100 | 83-100 | 36-50 | 17-28 |
| 91: Georgecanyon--- | 0-3 | *Gravelly silt loam | *CL, GC | *A-6, A-4 | 0 | 0 | 64-77 | 60-74 | 55-72 | 48-63 | 30-40 | 10-20 |
| | 3-9 | *Gravelly silt loam | *GC, CL | *A-6, A-4 | 0 | 0 | 58-69 | 53-66 | 49-65 | 43-57 | 30-40 | 10-20 |
| | 9-16 | *Gravelly silty clay loam, Very gravelly silty clay loam | *GC, CL | *A-7-6, A-6 | 0 | 0-7 | 53-67 | 48-62 | 46-62 | 40-57 | 40-50 | 15-25 |
| | 16-26 | *Very gravelly silty clay loam | *GC, | *A-7-6, A-6 | 0 | 7-12 | 50-58 | 45-54 | 42-54 | 37-50 | 40-50 | 15-25 |
| | 26-39 | *Extremely cobbly sandy clay loam, Extremely gravelly sandy clay loam | *GC, GP-GC | *A-2-6, A-2-4 | 0-1 | 34-46 | 31-41 | 24-36 | 19-33 | 11-20 | 30-40 | 10-20 |
| | 39-60 | *Extremely cobbly sandy clay loam, Extremely gravelly sandy clay loam | *GP-GC, GC | *A-2-6, A-2-4 | 9-17 | 34-45 | 27-39 | 19-33 | 15-30 | 8-18 | 30-40 | 10-20 |
| 92: Hades----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 6-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0-4 | 86-100 | 84-100 | 78-96 | 68-84 | 25-30 | 5-10 |
| | 20-61 | *Clay loam, Silty clay loam, loam | *CL, | *A-6, A-4 | 0 | 0-11 | 85-100 | 85-100 | 73-96 | 56-77 | 25-35 | 10-15 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 93: Hades----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 6-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0-4 | 86-100 | 84-100 | 78-96 | 68-84 | 25-30 | 5-10 |
| | 20-61 | *Clay loam, Silty clay loam, loam | *CL, | *A-6, A-4 | 0 | 0-11 | 85-100 | 85-100 | 73-96 | 56-77 | 25-35 | 10-15 |
| 94: Hades----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 6-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0-4 | 86-100 | 84-100 | 78-96 | 68-84 | 25-30 | 5-10 |
| | 20-61 | *Clay loam, Silty clay loam, loam | *CL, | *A-6, A-4 | 0 | 0-11 | 85-100 | 85-100 | 73-96 | 56-77 | 25-35 | 10-15 |
| 95: Hades----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 6-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 86-100 | 84-100 | 76-97 | 63-82 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0-4 | 86-100 | 84-100 | 78-96 | 68-84 | 25-30 | 5-10 |
| | 20-61 | *Clay loam, Silty clay loam, loam | *CL, | *A-6, A-4 | 0 | 0-11 | 85-100 | 85-100 | 73-96 | 56-77 | 25-35 | 10-15 |
| Horrocks----- | 0-7 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-4 | 54-70 | 50-67 | 42-61 | 30-44 | 29-39 | 9-13 |
| | 7-12 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-3 | 55-71 | 51-68 | 43-62 | 31-45 | 27-37 | 9-13 |
| | 12-19 | *Gravelly clay loam, Very gravelly clay loam, very cobbly clay loam, very gravelly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-9 | 1-17 | 44-61 | 37-56 | 32-53 | 25-43 | 35-46 | 16-24 |
| | 19-31 | *Very gravelly clay loam, Very cobbly clay loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-5 | 12-27 | 42-61 | 35-56 | 30-53 | 23-43 | 34-46 | 16-24 |
| | 31-43 | *Very gravelly loam, Very cobbly loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, GC-GM | *A-2-6, A-2-4, A-6 | 5-9 | 15-25 | 43-66 | 37-62 | 31-58 | 22-42 | 22-33 | 7-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 96: Hagenbarth---- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |
| 97: Hagenbarth---- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 97: Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| 98: Hagenbarth----- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| Horrocks----- | 0-7 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-4 | 54-70 | 50-67 | 42-61 | 30-44 | 29-39 | 9-13 |
| | 7-12 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-3 | 55-71 | 51-68 | 43-62 | 31-45 | 27-37 | 9-13 |
| | 12-19 | *Gravelly clay loam, Very gravelly clay loam, very cobbly clay loam, very gravelly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-9 | 1-17 | 44-61 | 37-56 | 32-53 | 25-43 | 35-46 | 16-24 |
| | 19-31 | *Very gravelly clay loam, Very cobbly clay loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-5 | 12-27 | 42-61 | 35-56 | 30-53 | 23-43 | 34-46 | 16-24 |
| | 31-43 | *Very gravelly loam, Very cobbly loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, GC-GM | *A-2-6, A-2-4, A-6 | 5-9 | 15-25 | 43-66 | 37-62 | 31-58 | 22-42 | 22-33 | 7-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 99: Hagenbarth----- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| Zeebar----- | 0-6 | *Gravelly loam | *SC, GC | *A-6, A-4 | 0 | 0-11 | 67-74 | 61-70 | 52-64 | 37-47 | 31-43 | 10-15 |
| | 6-13 | *Gravelly loam | *GC, | *A-6, A-2-4 | 0 | 0-10 | 62-72 | 57-68 | 48-62 | 35-46 | 29-40 | 10-15 |
| | 13-18 | *Very gravelly sandy clay loam, Very gravelly clay loam, very cobbly sandy clay loam | *GC, | *A-2-7, A-2-6 | 0 | 8-24 | 40-53 | 33-48 | 26-43 | 14-26 | 35-46 | 16-24 |
| | 18-34 | *Very gravelly sandy clay loam, Very gravelly clay loam, very cobbly sandy clay loam, extremely cobbly sandy clay loam | *GC, | *A-2-7, A-2-6 | 0 | 16-30 | 38-52 | 31-47 | 24-42 | 14-26 | 34-46 | 16-24 |
| | 34-48 | *Very gravelly sandy clay loam, Very gravelly clay loam, very cobbly sandy clay loam, extremely cobbly sandy clay loam | *GC, | *A-2-7, A-2-6 | 0 | 16-30 | 38-52 | 31-47 | 24-42 | 14-26 | 34-45 | 16-24 |
| | 48-60 | *Extremely cobbly sandy clay loam, Very cobbly sandy clay loam, very gravelly sandy clay loam, very gravelly clay loam | *GC, GP-GC | *A-2-7, A-2-6 | 0 | 23-42 | 33-50 | 25-46 | 20-41 | 11-25 | 34-45 | 16-24 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 99: Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| 100: Hoopgobel----- | 0-4 | *Loam | *CL, | *A-4, A-6 | 0 | 0-2 | 88-100 | 87-100 | 75-90 | 54-66 | 26-30 | 8-11 |
| | 4-9 | *Gravelly loam, Loam | *SC, CL | *A-4, A-6 | 0 | 0-1 | 77-100 | 74-100 | 64-90 | 46-66 | 26-30 | 8-11 |
| | 9-18 | *Gravelly clay loam, Clay loam | *CL, SC | *A-6, | 0 | 0-1 | 75-86 | 72-86 | 63-81 | 49-64 | 35-40 | 15-20 |
| | 18-24 | *Gravelly clay loam, Clay loam | *CL, GC | *A-6, | 0 | 0-1 | 73-86 | 69-86 | 61-81 | 47-64 | 35-40 | 15-20 |
| | 24-28 | *Paragravelly clay loam, Gravelly clay loam, gravelly loam, clay loam | *CL, | *A-6, | 0 | 0-6 | 83-100 | 80-100 | 70-93 | 54-73 | 34-39 | 14-19 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cadero----- | 0-5 | *Ashy fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 5-14 | *Ashy fine sandy loam, Ashy paragravelly fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 14-25 | *Ashy paragravelly fine sandy loam, Ashy fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 89-93 | 40-44 | 0-10 | NP-5 |
| | 25-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 101: Hoopgobel----- | 0-4 | *Loam | *CL, | *A-4, A-6 | 0 | 0-2 | 88-100 | 87-100 | 75-90 | 54-66 | 26-30 | 8-11 |
| | 4-9 | *Gravelly loam, Loam | *SC, CL | *A-4, A-6 | 0 | 0-1 | 77-100 | 74-100 | 64-90 | 46-66 | 26-30 | 8-11 |
| | 9-18 | *Gravelly clay loam, Clay loam | *CL, SC | *A-6, | 0 | 0-1 | 75-86 | 72-86 | 63-81 | 49-64 | 35-40 | 15-20 |
| | 18-24 | *Gravelly clay loam, Clay loam | *CL, GC | *A-6, | 0 | 0-1 | 73-86 | 69-86 | 61-81 | 47-64 | 35-40 | 15-20 |
| | 24-28 | *Paragravelly clay loam, Gravelly clay loam, gravelly loam, clay loam | *CL, | *A-6, | 0 | 0-6 | 83-100 | 80-100 | 70-93 | 54-73 | 34-39 | 14-19 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Slights----- | 0-5 | *Loam | *CL, | *A-6, A-4 | 0 | 0 | 84-100 | 80-100 | 69-91 | 50-67 | 28-32 | 9-13 |
| | 5-12 | *Loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 84-100 | 80-100 | 69-91 | 50-67 | 28-32 | 9-13 |
| | 12-20 | *Silty clay loam, Silty clay loam, clay | *CH, MH | *A-7-5, A-7-6 | 0 | 0 | 85-100 | 81-100 | 75-100 | 67-97 | 50-66 | 21-32 |
| | 20-39 | *Silty clay, Clay | *MH, | *A-7-5, | 0 | 0 | 85-100 | 82-100 | 75-100 | 73-100 | 56-70 | 25-35 |
| | 39-60 | *Silty clay, Clay | *MH, | *A-7-5, | 0 | 0 | 85-100 | 82-100 | 75-100 | 73-100 | 56-70 | 25-35 |
| 102: Horrocks----- | 0-7 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-4 | 54-70 | 50-67 | 42-61 | 30-44 | 29-39 | 9-13 |
| | 7-12 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-3 | 55-71 | 51-68 | 43-62 | 31-45 | 27-37 | 9-13 |
| | 12-19 | *Gravelly clay loam, Very gravelly clay loam, very cobbly clay loam, very gravelly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-9 | 1-17 | 44-61 | 37-56 | 32-53 | 25-43 | 35-46 | 16-24 |
| | 19-31 | *Very gravelly clay loam, Very cobbly clay loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-5 | 12-27 | 42-61 | 35-56 | 30-53 | 23-43 | 34-46 | 16-24 |
| | 31-43 | *Very gravelly loam, Very cobbly loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, GC-GM | *A-2-6, A-2-4, A-6 | 5-9 | 15-25 | 43-66 | 37-62 | 31-58 | 22-42 | 22-33 | 7-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 102: Cedarhill----- | 0-3 | *Gravelly silt loam | *CL-ML, CL, GC-GM | *A-4, | 0-5 | 11-13 | 63-80 | 58-78 | 50-75 | 40-61 | 18-26 | 4-8 |
| | 3-7 | *Stony silt loam, Gravelly silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, | 0-11 | 10-12 | 68-81 | 64-79 | 56-77 | 44-63 | 18-26 | 4-8 |
| | 7-13 | *Very gravelly silt loam, Very gravelly loam, extremely gravelly loam, very cobbly loam | *GC-GM, GC | *A-4, A-2-4 | 9-12 | 9-16 | 51-63 | 44-58 | 39-56 | 31-45 | 16-23 | 4-8 |
| | 13-26 | *Very cobbly silt loam, Extremely gravelly silt loam, very cobbly loam, extremely cobbly silt loam | *GC-GM, GC | *A-4, A-1-b | 8-17 | 16-32 | 36-62 | 30-57 | 26-55 | 21-45 | 16-23 | 4-8 |
| | 26-60 | *Extremely stony silt loam, Extremely cobbly silt loam, very cobbly loam, very gravelly silt loam | *GW-GC, GC | *A-1-a, A-2-4 | 8-31 | 8-31 | 19-48 | 10-41 | 9-39 | 7-32 | 16-23 | 4-8 |
| 103: Horrocks----- | 0-7 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-4 | 54-70 | 50-67 | 42-61 | 30-44 | 29-39 | 9-13 |
| | 7-12 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-3 | 55-71 | 51-68 | 43-62 | 31-45 | 27-37 | 9-13 |
| | 12-19 | *Gravelly clay loam, Very gravelly clay loam, very cobbly clay loam, very gravelly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-9 | 1-17 | 44-61 | 37-56 | 32-53 | 25-43 | 35-46 | 16-24 |
| | 19-31 | *Very gravelly clay loam, Very cobbly clay loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-5 | 12-27 | 42-61 | 35-56 | 30-53 | 23-43 | 34-46 | 16-24 |
| | 31-43 | *Very gravelly loam, Very cobbly loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, GC-GM | *A-2-6, A-2-4, A-6 | 5-9 | 15-25 | 43-66 | 37-62 | 31-58 | 22-42 | 22-33 | 7-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cleavage----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0-1 | 0-3 | 87-100 | 84-100 | 69-92 | 48-67 | 21-30 | 4-11 |
| | 2-6 | *Loam, Gravelly loam, cobbly loam | *CL-ML, CL, SC-SM | *A-4, A-6 | 0-1 | 0-3 | 78-100 | 75-100 | 61-92 | 43-67 | 21-30 | 4-11 |
| | 6-9 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, | *A-6, A-7-6, A-2-6 | 0-2 | 9-19 | 39-60 | 31-53 | 27-52 | 21-42 | 34-43 | 14-21 |
| | 9-14 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, GP-GC | *A-2-6, A-2-7 | 0-8 | 15-35 | 28-52 | 17-45 | 15-44 | 11-35 | 34-43 | 14-21 |
| | 14-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 104: Horrocks----- | 0-7 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-4 | 54-70 | 50-67 | 42-61 | 30-44 | 29-39 | 9-13 |
| | 7-12 | *Gravelly loam | *GC, GM | *A-6, A-2-4 | 0-1 | 0-3 | 55-71 | 51-68 | 43-62 | 31-45 | 27-37 | 9-13 |
| | 12-19 | *Gravelly clay loam, Very gravelly clay loam, very cobbly clay loam, very gravelly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-9 | 1-17 | 44-61 | 37-56 | 32-53 | 25-43 | 35-46 | 16-24 |
| | 19-31 | *Very gravelly clay loam, Very cobbly clay loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, | *A-7-6, A-2-6 | 0-5 | 12-27 | 42-61 | 35-56 | 30-53 | 23-43 | 34-46 | 16-24 |
| | 31-43 | *Very gravelly loam, Very cobbly loam, very gravelly sandy clay loam, very cobbly sandy clay loam | *GC, GC-GM | *A-2-6, A-2-4, A-6 | 5-9 | 15-25 | 43-66 | 37-62 | 31-58 | 22-42 | 22-33 | 7-15 |
| | 43-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------------|--------------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 104: Cleavage----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0-1 | 0-3 | 87-100 | 84-100 | 69-92 | 48-67 | 21-30 | 4-11 |
| | 2-6 | *Loam, Gravelly loam, cobbly loam | *CL-ML, CL, SC-SM | *A-4, A-6 | 0-1 | 0-3 | 78-100 | 75-100 | 61-92 | 43-67 | 21-30 | 4-11 |
| | 6-9 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, SC-SM | *A-6, A-7-6, A-2-6 | 0-2 | 9-19 | 39-60 | 31-53 | 27-52 | 21-42 | 34-43 | 14-21 |
| | 9-14 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, GP-GC | *A-2-6, A-2-7 | 0-8 | 15-35 | 28-52 | 17-45 | 15-44 | 11-35 | 34-43 | 14-21 |
| | 14-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 105: Hutchley----- | 0-2 | *Very cobbly sandy loam | *SC, GC-GM | *A-2-4, A-1-b | 0 | 26-32 | 50-65 | 44-61 | 33-50 | 16-27 | 20-30 | 5-10 |
| | 2-10 | *Very cobbly sandy clay loam | *SC, GC | *A-2-6, A-2- 4, A-2-7 | 0 | 24-30 | 52-68 | 47-64 | 38-58 | 21-35 | 30-45 | 10-20 |
| | 10-15 | *Very cobbly sandy clay loam, Very stony sandy clay loam | *SC, GC | *A-2-6, A-2- 4, A-7-6 | 0-21 | 25-35 | 55-79 | 48-75 | 39-68 | 21-42 | 30-45 | 10-20 |
| | 15-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cupine----- | 0-3 | *Channery sandy loam | *SC-SM, SC, SM | *A-2-4, | 0-1 | 8-14 | 73-83 | 72-82 | 52-65 | 24-33 | 15-25 | NP-10 |
| | 3-10 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, SC, SM | *A-2-4, A-1- b, A-4 | 0-1 | 8-18 | 61-82 | 60-81 | 43-67 | 21-37 | 15-25 | NP-10 |
| | 10-17 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, GM, SC | *A-2-4, A-1-b | 0-1 | 10-22 | 52-77 | 50-76 | 36-63 | 18-34 | 15-25 | NP-10 |
| | 17-23 | *Extremely channery sandy loam | *GP-GM, GP-GC | *A-1-a, | 6-14 | 36-48 | 16-35 | 13-33 | 10-26 | 5-14 | 15-20 | NP-5 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Vitale----- | 0-3 | *Very gravelly sandy loam | *GC, GM | *A-2-6, A-2-4 | 0-4 | 10-16 | 43-55 | 36-50 | 26-39 | 13-20 | 28-39 | 9-13 |
| | 3-9 | *Very cobbly sandy clay loam, Very gravelly clay loam, very gravelly loam | *SC, GC | *A-2-6, A-7-6 | 0-9 | 25-55 | 50-77 | 46-74 | 38-73 | 20-44 | 29-46 | 12-24 |
| | 9-20 | *Extremely cobbly sandy clay loam, Very cobbly clay loam | *GC, | *A-2-6, A-7-6 | 0-9 | 50-65 | 46-75 | 40-73 | 32-69 | 17-42 | 29-45 | 12-24 |
| | 20-30 | *Extremely cobbly sandy clay loam, Very cobbly sandy clay loam | *GC, SC | *A-2-6, A-2-4 | 8-16 | 54-68 | 47-75 | 41-72 | 29-59 | 14-33 | 25-37 | 8-18 |
| | 30-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 106: Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| 107: Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|------------------|----------------|-----------|--------------------------|------|--------------------------------------|-----|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 108: Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| 109: Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| Watercanyon---- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 4-11 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 11-23 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 23-32 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 32-60 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 90-100 | 60-90 | 18-30 | 4-12 |
| 110: Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| Watercanyon---- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 4-11 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 11-23 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 23-32 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 32-60 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 90-100 | 60-90 | 18-30 | 4-12 |
| 111: Iphil, dry---- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| Watercanyon, dry----- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 4-11 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 11-23 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 23-32 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 32-60 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 90-100 | 60-90 | 18-30 | 4-12 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 112: Ireland----- | 0-4 | *Gravelly loam | *GC, GC-GM, GM | *A-4, | 0 | 0-9 | 60-75 | 58-74 | 50-68 | 36-50 | 22-34 | 6-10 |
| | 4-11 | *Very cobbly silt loam, Gravelly silt loam, cobbly silt loam | *CL, GC | *A-6, A-4 | 0 | 0-24 | 58-75 | 57-74 | 51-71 | 42-59 | 27-35 | 9-13 |
| | 11-24 | *Very cobbly silt loam, Very gravelly silt loam, very gravelly loam | *GC, CL | *A-6, A-2-4 | 0 | 16-42 | 42-71 | 39-70 | 35-67 | 29-57 | 26-34 | 9-15 |
| | 24-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Falula----- | 0-4 | *Extremely cobbly silt loam | *GC, GC-GM | *A-2-4, A-2-6 | 0-1 | 46-55 | 27-43 | 19-36 | 19-36 | 14-29 | 25-30 | 7-11 |
| | 4-12 | *Extremely cobbly silt loam, Very cobbly loam | *GP-GC, GC | *A-2-4, A-2-6 | 0-2 | 28-52 | 21-42 | 12-36 | 12-36 | 9-29 | 25-30 | 7-11 |
| | 12-18 | *Extremely cobbly silt loam, Extremely gravelly silt loam, very gravelly silt loam, extremely cobbly loam | *GP-GC, GC | *A-2-4, A-2-6 | 0 | 19-52 | 20-41 | 11-34 | 11-34 | 9-28 | 25-32 | 7-13 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Vicking----- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |
| 113: Jacanyon----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 84-100 | 82-100 | 69-92 | 49-67 | 20-30 | 5-10 |
| | 2-11 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-4 | 0 | 0 | 65-78 | 61-75 | 53-69 | 40-52 | 20-40 | 10-15 |
| | 11-18 | *Gravelly clay loam, Gravelly loam | *CL, GC | *A-6, A-4 | 0 | 0 | 65-78 | 61-75 | 52-72 | 40-57 | 20-40 | 10-20 |
| | 18-26 | *Gravelly clay loam, Gravelly loam | *CL, GC | *A-6, A-4 | 0 | 0-6 | 62-78 | 59-75 | 50-72 | 38-57 | 20-40 | 10-20 |
| | 26-35 | *Channery clay loam, Very channery clay loam | *GC, CL | *A-6, A-4 | 0 | 12-18 | 62-78 | 61-77 | 52-74 | 40-59 | 20-40 | 10-20 |
| | 35-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cleavage----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0-1 | 0-3 | 87-100 | 84-100 | 69-92 | 48-67 | 21-30 | 4-11 |
| | 2-6 | *Loam, Gravelly loam, cobbly loam | *CL-ML, CL, SC-SM | *A-4, A-6 | 0-1 | 0-3 | 78-100 | 75-100 | 61-92 | 43-67 | 21-30 | 4-11 |
| | 6-9 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, | *A-6, A-7-6, A-2-6 | 0-2 | 9-19 | 39-60 | 31-53 | 27-52 | 21-42 | 34-43 | 14-21 |
| | 9-14 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, GP-GC | *A-2-6, A-2-7 | 0-8 | 15-35 | 28-52 | 17-45 | 15-44 | 11-35 | 34-43 | 14-21 |
| | 14-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 114: Jebo, dry----- | 0-3 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-8 | 68-77 | 64-74 | 59-71 | 25-32 | 25-30 | 5-10 |
| | 3-12 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-9 | 63-77 | 58-74 | 53-71 | 23-32 | 25-30 | 5-10 |
| | 12-19 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 17-39 | 40-61 | 32-58 | 29-56 | 12-26 | 20-25 | 5-10 |
| | 19-28 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a | 0 | 21-44 | 31-52 | 23-47 | 20-46 | 8-21 | 20-25 | 5-10 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-----------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 114: Cokeville, dry- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-4, | 0 | 0-10 | 67-76 | 63-72 | 53-67 | 38-49 | 25-30 | 5-10 |
| | 2-5 | *Gravelly silt loam, Gravelly loam | *CL-ML, GC- GM, CL | *A-4, | 0 | 0-8 | 68-77 | 64-74 | 57-72 | 47-60 | 25-30 | 5-10 |
| | 5-9 | *Gravelly clay loam, Gravelly silty clay loam | *CL, GC | *A-6, | 0 | 0 | 57-77 | 53-74 | 46-70 | 36-55 | 35-40 | 15-20 |
| | 9-15 | *Gravelly loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-2-6 | 0 | 0 | 52-71 | 48-66 | 39-66 | 29-51 | 25-40 | 15-20 |
| | 15-31 | *Gravelly silt loam, Gravelly silty clay loam, gravelly loam | *CL, GC | *A-6, | 0 | 0 | 52-71 | 48-66 | 42-66 | 37-62 | 25-40 | 15-20 |
| | 31-43 | *Gravelly silty clay loam, Gravelly silt loam, gravelly loam | *GC, CL | *A-6, | 0 | 0 | 52-71 | 48-66 | 43-66 | 38-64 | 25-40 | 15-20 |
| | 43-56 | *Silty clay loam, Clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 84-100 | 82-100 | 76-99 | 67-88 | 40-45 | 20-25 |
| | 56-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dennot, dry---- | 0-6 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0-3 | 79-91 | 76-91 | 64-83 | 46-61 | 21-28 | 4-9 |
| | 6-20 | *Gravelly loam, Very gravelly loam | *GC-GM, GC | *A-4, A-1-b | 0 | 0-9 | 48-70 | 41-67 | 34-62 | 25-46 | 21-28 | 4-9 |
| | 20-42 | *Extremely gravelly sandy loam, Very cobbly loam, very gravelly loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 0-9 | 21-44 | 15-38 | 13-35 | 8-23 | 21-28 | 4-9 |
| | 42-49 | *Extremely gravelly loamy sand, Very gravelly sandy loam | *GW-GC, GP, GP-GC | *A-2-4, A-1-a | 0 | 0-8 | 22-46 | 16-40 | 13-35 | 3-11 | 18-28 | 4-9 |
| | 49-62 | *Extremely gravelly loam, Very gravelly sandy loam, very gravelly loam, very cobbly loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 0-8 | 21-41 | 13-35 | 10-33 | 7-24 | 18-28 | 4-9 |
| 115: Jebo----- | 0-3 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-8 | 68-77 | 64-74 | 59-71 | 25-32 | 25-30 | 5-10 |
| | 3-12 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-9 | 63-77 | 58-74 | 53-71 | 23-32 | 25-30 | 5-10 |
| | 12-19 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GP- GC, GC | *A-2-4, A-1-a | 0 | 17-39 | 40-61 | 32-58 | 29-56 | 12-26 | 20-25 | 5-10 |
| | 19-28 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a | 0 | 21-44 | 31-52 | 23-47 | 20-46 | 8-21 | 20-25 | 5-10 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Cupine----- | 0-3 | *Channery sandy loam | *SC-SM, SC, SM | *A-2-4, | 0-1 | 8-14 | 73-83 | 72-82 | 52-65 | 24-33 | 15-25 | NP-10 |
| | 3-10 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, SC, SM | *A-2-4, A-1-b, A-4 | 0-1 | 8-18 | 61-82 | 60-81 | 43-67 | 21-37 | 15-25 | NP-10 |
| | 10-17 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, GM, SC | *A-2-4, A-1-b | 0-1 | 10-22 | 52-77 | 50-76 | 36-63 | 18-34 | 15-25 | NP-10 |
| | 17-23 | *Extremely channery sandy loam | *GP-GM, GP-GC | *A-1-a, | 6-14 | 36-48 | 16-35 | 13-33 | 10-26 | 5-14 | 15-20 | NP-5 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 116: Jebo, dry----- | 0-3 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-8 | 68-77 | 64-74 | 59-71 | 25-32 | 25-30 | 5-10 |
| | 3-12 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-9 | 63-77 | 58-74 | 53-71 | 23-32 | 25-30 | 5-10 |
| | 12-19 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GP- GC, GC | *A-2-4, A-1-a | 0 | 17-39 | 40-61 | 32-58 | 29-56 | 12-26 | 20-25 | 5-10 |
| | 19-28 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a | 0 | 21-44 | 31-52 | 23-47 | 20-46 | 8-21 | 20-25 | 5-10 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|--------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 116: Cupine, dry---- | 0-3 | *Channery sandy loam | *SC-SM, SC, SM | *A-2-4, | 0-1 | 8-14 | 73-83 | 72-82 | 52-65 | 24-33 | 15-25 | NP-10 |
| | 3-10 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, SC, SM | *A-2-4, A-1-b, A-4 | 0-1 | 8-18 | 61-82 | 60-81 | 43-67 | 21-37 | 15-25 | NP-10 |
| | 10-17 | *Channery sandy loam, Very channery sandy loam, very channery loam | *SC-SM, GM, SC | *A-2-4, A-1-b | 0-1 | 10-22 | 52-77 | 50-76 | 36-63 | 18-34 | 15-25 | NP-10 |
| | 17-23 | *Extremely channery sandy loam | *GP-GM, GP-GC | *A-1-a, | 6-14 | 36-48 | 16-35 | 13-33 | 10-26 | 5-14 | 15-20 | NP-5 |
| | 23-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 117: Jebo----- | 0-3 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-8 | 68-77 | 64-74 | 59-71 | 25-32 | 25-30 | 5-10 |
| | 3-12 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-9 | 63-77 | 58-74 | 53-71 | 23-32 | 25-30 | 5-10 |
| | 12-19 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 17-39 | 40-61 | 32-58 | 29-56 | 12-26 | 20-25 | 5-10 |
| | 19-28 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a | 0 | 21-44 | 31-52 | 23-47 | 20-46 | 8-21 | 20-25 | 5-10 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dipcreek----- | 0-4 | *Gravelly loam | *SC-SM, GC, GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 118: Jebo, dry----- | 0-3 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-8 | 68-77 | 64-74 | 59-71 | 25-32 | 25-30 | 5-10 |
| | 3-12 | *Gravelly fine sandy loam | *SC-SM, SC | *A-2-4, | 0 | 0-9 | 63-77 | 58-74 | 53-71 | 23-32 | 25-30 | 5-10 |
| | 12-19 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 17-39 | 40-61 | 32-58 | 29-56 | 12-26 | 20-25 | 5-10 |
| | 19-28 | *Very gravelly fine sandy loam, Extremely cobbly sandy loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a | 0 | 21-44 | 31-52 | 23-47 | 20-46 | 8-21 | 20-25 | 5-10 |
| | 28-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dipcreek, dry-- | 0-4 | *Gravelly loam | *SC-SM, GC, GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 119: Joes----- | 0-7 | *Silt loam | *ML, CL | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 5-15 |
| | 7-12 | *Silty clay loam | *ML, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 85-97 | 35-45 | 10-15 |
| | 12-20 | *Silty clay loam | *ML, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 85-97 | 35-45 | 10-15 |
| | 20-50 | *Silt loam, Loam, very fine sandy loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 87-97 | 25-35 | 5-15 |
| | 50-60 | *Silt loam, Loam, very fine sandy loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 90-100 | 88-100 | 83-100 | 77-97 | 25-35 | 5-15 |
| 120: Joes----- | 0-7 | *Silt loam | *ML, CL | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 5-15 |
| | 7-12 | *Silty clay loam | *ML, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 85-97 | 35-45 | 10-15 |
| | 12-20 | *Silty clay loam | *ML, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 85-97 | 35-45 | 10-15 |
| | 20-50 | *Silt loam, Loam, very fine sandy loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 87-97 | 25-35 | 5-15 |
| | 50-60 | *Silt loam, Loam, very fine sandy loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 90-100 | 88-100 | 83-100 | 77-97 | 25-35 | 5-15 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 121: Kucera----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |
| 122: Kucera----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |
| Chausse----- | 0-3 | *Very gravelly loam | *GC, | *A-2-6, A-2-4 | 0-2 | 10-26 | 42-52 | 35-46 | 29-43 | 21-32 | 25-30 | 10-15 |
| | 3-10 | *Very gravelly loam, Very gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b | 0-8 | 9-23 | 49-56 | 43-51 | 36-46 | 25-34 | 20-25 | 5-10 |
| | 10-23 | *Very gravelly loam, Very gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b | 0 | 9-21 | 40-56 | 34-51 | 28-46 | 20-34 | 20-25 | 5-10 |
| | 23-42 | *Very gravelly sandy loam, Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-a | 0 | 8-19 | 45-60 | 38-56 | 28-45 | 13-24 | 20-25 | 5-10 |
| | 42-58 | *Very gravelly loam, Very gravelly sandy loam | *GC, GC-GM | *A-2-4, A-4, A-1-b | 0 | 7-19 | 45-59 | 38-55 | 32-51 | 22-37 | 20-25 | 5-10 |
| | 58-69 | *Gravelly loam, Gravelly sandy loam, very gravelly loam | *SC, GC-GM, GC | *A-4, A-2-4 | 0 | 0-14 | 54-73 | 47-70 | 39-64 | 28-46 | 20-25 | 5-10 |
| Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, CL-ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, CL-ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| 123: La Roco----- | 0-2 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 35-40 | 10-15 |
| | 2-11 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 35-40 | 10-15 |
| | 11-20 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 87-100 | 83-100 | 35-40 | 10-15 |
| | 20-26 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 99-100 | 95-100 | 35-40 | 10-15 |
| | 26-34 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 35-40 | 10-15 |
| | 34-42 | *Silt loam, Loam | *ML, CL | *A-6, A-4 | 0 | 0 | 95-100 | 91-100 | 87-100 | 83-100 | 35-40 | 10-15 |
| | 42-49 | *Fine sandy loam, Very fine sandy loam, gravelly loam | *SC-SM, SC | *A-4, A-2-4 | 0 | 0 | 77-100 | 71-100 | 64-95 | 26-41 | 20-25 | 4-8 |
| | 49-59 | *Very fine sandy loam, Fine sandy loam, silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, A-2-4 | 0 | 0 | 64-95 | 62-95 | 60-95 | 34-56 | 20-25 | 4-8 |
| | 59-62 | *Extremely gravelly loamy sand, Very gravelly loamy sand | *GP-GM, GC-GM, GP | *A-1-a, A-1-b | 0 | 0 | 28-55 | 17-48 | 13-39 | 4-15 | 15-20 | NP-5 |
| 124: La Roco, saline | 0-2 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 35-40 | 10-15 |
| | 2-11 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 35-40 | 10-15 |
| | 11-20 | *Silty clay loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 87-100 | 83-100 | 35-40 | 10-15 |
| | 20-26 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 99-100 | 95-100 | 35-40 | 10-15 |
| | 26-34 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 35-40 | 10-15 |
| | 34-42 | *Silt loam, Loam | *ML, CL | *A-6, A-4 | 0 | 0 | 95-100 | 91-100 | 87-100 | 83-100 | 35-40 | 10-15 |
| | 42-49 | *Fine sandy loam, Very fine sandy loam, gravelly loam | *SC-SM, SC | *A-4, A-2-4 | 0 | 0 | 77-100 | 71-100 | 64-95 | 26-41 | 20-25 | 4-8 |
| | 49-59 | *Very fine sandy loam, Fine sandy loam, silt loam, gravelly loam | *CL-ML, CL, GC-GM | *A-4, A-2-4 | 0 | 0 | 64-95 | 62-95 | 60-95 | 34-56 | 20-25 | 4-8 |
| | 59-62 | *Extremely gravelly loamy sand, Very gravelly loamy sand | *GP-GM, GC-GM, GP | *A-1-a, A-1-b | 0 | 0 | 28-55 | 17-48 | 13-39 | 4-15 | 15-20 | NP-5 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|-------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 125: Lag----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-8 | *Gravelly loam | *GC, | *A-6, A-2-4 | 0 | 0-12 | 56-69 | 50-64 | 43-60 | 31-44 | 29-39 | 9-14 |
| | 8-17 | *Very gravelly sandy loam, Extremely cobbly sandy loam, extremely gravelly sandy loam | *GC, GP-GM | *A-2-4, A-1-a, A-2-6 | 0 | 8-32 | 26-48 | 18-42 | 12-34 | 5-19 | 16-30 | 2-13 |
| | 17-32 | *Very gravelly sandy loam, Extremely cobbly sandy loam, extremely gravelly sandy loam | *GC, GP-GM | *A-2-4, A-1-a, A-2-6 | 0 | 10-39 | 29-49 | 22-43 | 15-35 | 7-19 | 16-29 | 2-13 |
| | 32-48 | *Extremely gravelly sandy loam, Extremely cobbly sandy loam, very gravelly sandy loam | *GP-GC, GC, GP-GM | *A-2-4, A-1-a, A-2-6 | 0 | 7-30 | 23-39 | 16-33 | 11-27 | 5-15 | 16-29 | 2-13 |
| | 48-60 | *Extremely gravelly sandy loam, Very gravelly loam, extremely cobbly loam, very gravelly sandy loam | *GP-GC, GC, GP | *A-2-4, A-1-a, A-2-6 | 0 | 17-35 | 20-44 | 13-39 | 9-32 | 4-18 | 16-29 | 2-13 |
| Dollarhide---- | 0-6 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-2-4, A-1-a | 0 | 9-24 | 46-56 | 40-51 | 29-41 | 14-21 | 21-26 | 4-8 |
| | 6-13 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-1-a, A-2-4 | 0 | 17-25 | 44-56 | 37-51 | 27-41 | 13-21 | 21-26 | 4-8 |
| | 13-19 | *Extremely gravelly sandy loam, Very gravelly sandy loam, extremely cobbly loam | *GW-GC, GC | *A-2-4, A-1-a | 0 | 13-24 | 27-46 | 19-40 | 14-32 | 7-17 | 23-28 | 6-9 |
| | 19-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop--- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 126: Lag----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-8 | *Gravelly loam | *GC, | *A-6, A-2-4 | 0 | 0-12 | 56-69 | 50-64 | 43-60 | 31-44 | 29-39 | 9-14 |
| | 8-17 | *Very gravelly sandy loam, Extremely cobbly sandy loam, extremely gravelly sandy loam | *GC, GP-GM | *A-2-4, A-1-a, A-2-6 | 0 | 8-32 | 26-48 | 18-42 | 12-34 | 5-19 | 16-30 | 2-13 |
| | 17-32 | *Very gravelly sandy loam, Extremely cobbly sandy loam, extremely gravelly sandy loam | *GC, GP-GM | *A-2-4, A-1-a, A-2-6 | 0 | 10-39 | 29-49 | 22-43 | 15-35 | 7-19 | 16-29 | 2-13 |
| | 32-48 | *Extremely gravelly sandy loam, Extremely cobbly sandy loam, very gravelly sandy loam | *GP-GC, GC, GP-GM | *A-2-4, A-1-a, A-2-6 | 0 | 7-30 | 23-39 | 16-33 | 11-27 | 5-15 | 16-29 | 2-13 |
| | 48-60 | *Extremely gravelly sandy loam, Very gravelly loam, extremely cobbly loam, very gravelly sandy loam | *GP-GC, GC, GP | *A-2-4, A-1-a, A-2-6 | 0 | 17-35 | 20-44 | 13-39 | 9-32 | 4-18 | 16-29 | 2-13 |
| Dranyon----- | 0-3 | *Silt loam | *ML, CL | *A-6, A-4, A-7-6 | 0 | 0 | 80-90 | 77-90 | 70-87 | 58-73 | 32-43 | 10-15 |
| | 3-9 | *Gravelly silt loam, Loam, silt loam | *CL, | *A-6, A-4 | 0 | 0-2 | 77-90 | 73-90 | 66-87 | 55-73 | 28-39 | 9-18 |
| | 9-20 | *Gravelly silty clay loam, Very gravelly silty clay loam, gravelly loam, gravelly silt loam | *CL, GC | *A-6, A-4 | 0 | 0-1 | 61-78 | 56-75 | 52-75 | 46-69 | 28-39 | 9-18 |
| | 20-26 | *Very gravelly silty clay loam, Gravelly loam, gravelly silty clay loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0 | 0-17 | 63-72 | 58-68 | 54-68 | 48-63 | 33-44 | 13-22 |
| | 26-44 | *Very gravelly clay loam, Gravelly clay loam, cobbly clay loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6, A-2-6 | 0 | 9-17 | 56-74 | 51-71 | 45-67 | 35-53 | 33-44 | 13-22 |
| | 44-60 | *Cobbly clay loam, Gravelly clay loam, gravelly silty clay loam, very gravelly clay loam | *CL, GC | *A-6, A-7-6 | 0 | 13-26 | 69-87 | 66-86 | 58-81 | 44-63 | 33-44 | 13-22 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|------------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 127: Lago----- | 0-8 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 8-13 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 13-19 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 19-29 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 29-38 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 38-45 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 45-55 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 55-60 | *Fine sandy loam, Silt loam, sandy loam | *SC, SC-SM | *A-4, A-6, A-2-4 | 0 | 0 | 100 | 100 | 86-100 | 34-50 | 20-35 | 5-15 |
| 128: Lago----- | 0-8 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 8-13 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 13-19 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 19-29 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 29-38 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 38-45 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 45-55 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 55-60 | *Fine sandy loam, Silt loam, sandy loam | *SC, SC-SM | *A-4, A-6, A-2-4 | 0 | 0 | 100 | 100 | 86-100 | 34-50 | 20-35 | 5-15 |
| Bear Lake----- | 0-2 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-10 | *Silty clay loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 100 | 90-95 | 35-40 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 22-37 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 85-95 | 30-40 | 10-20 |
| | 37-46 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 46-58 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| | 58-63 | *Silty clay loam, Silt loam | *CL, | *A-6, | 0 | 0 | 100 | 100 | 95-100 | 80-95 | 30-40 | 10-20 |
| 129: Lago----- | 0-8 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 8-13 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 13-19 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 19-29 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 29-38 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 38-45 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 45-55 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 55-60 | *Fine sandy loam, Silt loam, sandy loam | *SC, SC-SM | *A-4, A-6, A-2-4 | 0 | 0 | 100 | 100 | 86-100 | 34-50 | 20-35 | 5-15 |
| Merkley----- | 0-2 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 97-100 | 89-99 | 25-30 | 5-10 |
| | 2-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 89-99 | 82-92 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 89-100 | 85-98 | 25-35 | 5-15 |
| | 20-28 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-93 | 25-35 | 5-15 |
| | 28-36 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 97-100 | 89-95 | 25-35 | 5-15 |
| | 36-40 | *Loam, Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 73-80 | 25-30 | 5-10 |
| | 40-53 | *Fine sandy loam, Sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 97-100 | 84-95 | 35-45 | 20-25 | NP-5 |
| | 53-56 | *Sandy loam, Fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 97-100 | 70-81 | 32-42 | 20-25 | NP-5 |
| | 56-61 | *Loamy coarse sand, Sand | *SM, | *A-2-4, | 0 | 0 | 94-100 | 93-100 | 53-62 | 22-28 | 15-20 | NP |
| 130: Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|--|-------------------|---------------|--------------------------|-------|--------------------------------------|--------|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 131: Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| 132: Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| 133: Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| 134: Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| 135: Lanoak----- | 0-9 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 9-16 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 86-96 | 20-25 | NP-5 |
| | 16-25 | *Silt loam | *ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 99-100 | 92-96 | 20-25 | NP-5 |
| | 25-43 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| | 43-60 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 25-35 | 5-15 |
| Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| 136: Leftfork----- | 0-5 | *Loam | *CL, | *A-6, | 0 | 0-2 | 85-98 | 83-98 | 69-90 | 51-69 | 34-40 | 14-20 |
| | 5-11 | *Clay, Silty clay, silty clay loam, clay loam | *CH, CL | *A-7-6, | 0 | 0-2 | 85-98 | 84-98 | 73-97 | 58-80 | 48-62 | 27-38 |
| | 11-18 | *Clay, Silty clay, silty clay loam, clay loam | *CH, CL | *A-7-6, | 0 | 0-3 | 79-98 | 77-98 | 66-97 | 53-81 | 48-62 | 27-38 |
| | 18-25 | *Clay, Silty clay, silty clay loam, clay loam | *CH, CL | *A-7-6, | 0-2 | 0-3 | 79-98 | 77-98 | 59-92 | 50-80 | 48-62 | 27-38 |
| | 25-43 | *Extremely stony clay, Extremely gravelly clay, very gravelly silty clay loam, very gravelly clay loam | *GC, | *A-2-7, A-7-6 | 15-24 | 15-24 | 32-56 | 23-50 | 18-46 | 15-40 | 48-64 | 27-41 |
| | 43-45 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | 45-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|----------------------------|-------|--|----------------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 136: Cleavage----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0-1 | 0-3 | 87-100 | 84-100 | 69-92 | 48-67 | 21-30 | 4-11 |
| | 2-6 | *Loam, Gravelly loam, cobbly loam | *CL-ML, CL, SC-SM | *A-4, A-6 | 0-1 | 0-3 | 78-100 | 75-100 | 61-92 | 43-67 | 21-30 | 4-11 |
| | 6-9 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, | *A-6, A-7-6, A-2-6 | 0-2 | 9-19 | 39-60 | 31-53 | 27-52 | 21-42 | 34-43 | 14-21 |
| | 9-14 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, GP-GC | *A-2-6, A-2-7 | 0-8 | 15-35 | 28-52 | 17-45 | 15-44 | 11-35 | 34-43 | 14-21 |
| | 14-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 137: Lilcan----- | 0-3 | *Gravelly silt loam | *GC-GM, GM | *A-4, A-2-4 | 0-1 | 0-15 | 51-67 | 45-63 | 40-61 | 32-50 | 23-36 | 4-10 |
| | 3-9 | *Very cobbly silt loam, Very gravelly loam, extremely gravelly sandy loam | *GC-GM, GC, GM | *A-2-4, A-1-b, A-4 | 0-3 | 16-35 | 33-55 | 25-50 | 22-47 | 17-38 | 20-30 | 3-8 |
| | 9-15 | *Extremely cobbly silt loam, Very gravelly loam, extremely gravelly sandy loam | *GC-GM, GM | *A-1-b, A-2-4 | 0-3 | 30-55 | 36-59 | 29-54 | 25-51 | 19-41 | 16-26 | 2-7 |
| | 15-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop--- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Jacanyon----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 84-100 | 82-100 | 69-92 | 49-67 | 20-30 | 5-10 |
| | 2-11 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-4 | 0 | 0 | 65-78 | 61-75 | 53-69 | 40-52 | 20-40 | 10-15 |
| | 11-18 | *Gravelly clay loam, Gravelly loam | *CL, GC | *A-6, A-4 | 0 | 0 | 65-78 | 61-75 | 52-72 | 40-57 | 20-40 | 10-20 |
| | 18-26 | *Gravelly clay loam, Gravelly loam | *CL, GC | *A-6, A-4 | 0 | 0-6 | 62-78 | 59-75 | 50-72 | 38-57 | 20-40 | 10-20 |
| | 26-35 | *Channery clay loam, Very channery clay loam | *GC, CL | *A-6, A-4 | 0 | 12-18 | 62-78 | 61-77 | 52-74 | 40-59 | 20-40 | 10-20 |
| | 35-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 138: Lilcan----- | 0-3 | *Gravelly silt loam | *GC-GM, GM | *A-4, A-2-4 | 0-1 | 0-15 | 51-67 | 45-63 | 40-61 | 32-50 | 23-36 | 4-10 |
| | 3-9 | *Very cobbly silt loam, Very gravelly loam, extremely gravelly sandy loam | *GC-GM, GC, GM | *A-2-4, A-1-b, A-4 | 0-3 | 16-35 | 33-55 | 25-50 | 22-47 | 17-38 | 20-30 | 3-8 |
| | 9-15 | *Extremely cobbly silt loam, Very gravelly loam, extremely gravelly sandy loam | *GC-GM, GM | *A-1-b, A-2-4 | 0-3 | 30-55 | 36-59 | 29-54 | 25-51 | 19-41 | 16-26 | 2-7 |
| | 15-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Watkins Ridge, dry----- | 0-8 | *Gravelly silt loam | *GC, ML | *A-6, A-4 | 0 | 0-10 | 61-74 | 56-72 | 51-69 | 41-57 | 29-39 | 9-13 |
| | 8-14 | *Gravelly silt loam | *GC, ML | *A-6, A-4 | 0 | 0-10 | 61-74 | 56-72 | 51-69 | 41-57 | 29-39 | 9-13 |
| | 14-26 | *Silt loam, Silty clay loam, clay loam, gravelly loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 76-90 | 72-90 | 64-90 | 56-81 | 29-43 | 12-21 |
| | 26-45 | *Silt loam, Loam, clay loam, gravelly loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 76-90 | 72-90 | 65-90 | 56-81 | 29-43 | 12-21 |
| | 45-60 | *Silt loam, Loam, clay loam, gravelly loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 76-90 | 72-90 | 65-90 | 56-81 | 29-43 | 12-21 |
| Jacanyon----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 84-100 | 82-100 | 69-92 | 49-67 | 20-30 | 5-10 |
| | 2-11 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-4 | 0 | 0 | 65-78 | 61-75 | 53-69 | 40-52 | 20-40 | 10-15 |
| | 11-18 | *Gravelly clay loam, Gravelly loam | *CL, GC | *A-6, A-4 | 0 | 0 | 65-78 | 61-75 | 52-72 | 40-57 | 20-40 | 10-20 |
| | 18-26 | *Gravelly clay loam, Gravelly loam | *CL, GC | *A-6, A-4 | 0 | 0-6 | 62-78 | 59-75 | 50-72 | 38-57 | 20-40 | 10-20 |
| | 26-35 | *Channery clay loam, Very channery clay loam | *GC, CL | *A-6, A-4 | 0 | 12-18 | 62-78 | 61-77 | 52-74 | 40-59 | 20-40 | 10-20 |
| | 35-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|-------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 139: Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | | | | | | | | |
| Kucera----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |
| Sprollow----- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | | | | | | | | |
| 140: Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | | | | | | | | |
| Kucera, dry---- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 140: Sprollo, dry-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 141: Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Monida----- | 0-3 | *Silt loam | *ML, CL | *A-6, A-7-6 | 0 | 0-2 | 79-100 | 77-100 | 71-98 | 59-82 | 33-44 | 12-17 |
| | 3-7 | *Silty clay loam, Gravelly silty clay loam, gravelly clay loam, clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 73-84 | 67-84 | 64-84 | 57-76 | 39-49 | 19-24 |
| | 7-15 | *Gravelly silty clay loam, Silty clay loam, gravelly clay loam, clay loam, silt loam, loam | *CL, | *A-7-6, A-6 | 0 | 0-7 | 67-82 | 63-82 | 61-82 | 55-77 | 38-47 | 18-24 |
| | 15-33 | *Very gravelly silt loam, Silt loam, loam, very fine sandy loam | *GC, CL, GC-GM | *A-4, A-6 | 0 | 0 | 53-76 | 49-76 | 42-76 | 34-65 | 20-37 | 5-16 |
| | 33-57 | *Gravelly silt loam, Silt loam, loam, very fine sandy loam | *GC, CL, GC-GM | *A-4, A-6 | 0 | 0-6 | 54-75 | 49-75 | 42-75 | 34-64 | 20-36 | 5-16 |
| | 57-60 | *Very fine sandy loam, Gravelly silt loam, loam, silt loam | *CL, GC-GM | *A-4, A-6 | 0 | 0-6 | 74-91 | 71-91 | 70-91 | 39-64 | 20-36 | 5-16 |
| Chokecherry---- | 0-4 | *Very gravelly sandy loam | *GC-GM, GC | *A-1-b, A-2-4 | 8-11 | 16-21 | 48-63 | 43-59 | 31-48 | 15-26 | 20-28 | 4-9 |
| | 4-9 | *Very cobbly sandy loam, Extremely gravelly sandy loam, very cobbly loam | *SC-SM, SC, GC-GM | *A-1-b, A-2-4, A-1-a | 0-7 | 50-63 | 43-70 | 36-65 | 26-52 | 13-28 | 20-28 | 4-9 |
| | 9-18 | *Extremely cobbly sandy loam, Extremely gravelly sandy loam, very gravelly loam | *GC-GM, GC, GP-GC | *A-2-4, A-1-a, A-1-b | 0-5 | 43-58 | 30-59 | 23-56 | 17-45 | 9-24 | 23-28 | 6-9 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 142: Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|-------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 142: Mumford----- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Rock outcrop--- | 0-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 143: Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Sheep Creek---- | 0-5 | *Gravelly sandy loam | *SM, SC-SM | *A-2-6, A-1-b | 0-2 | 0-15 | 62-82 | 57-80 | 39-67 | 18-36 | 26-47 | 6-17 |
| | 5-11 | *Gravelly loam, Very cobbly loam, gravelly silt loam | *GC, GC-GM | *A-6, A-7-6, A-2-4 | 0-4 | 0-27 | 59-80 | 53-78 | 43-74 | 30-55 | 24-45 | 6-17 |
| | 11-21 | *Very gravelly clay loam, Very cobbly silty clay loam, extremely cobbly clay loam | *GC, | *A-2-7, A-2-4, A-7-6 | 0 | 9-39 | 38-60 | 31-60 | 24-60 | 18-48 | 28-49 | 9-25 |
| | 21-33 | *Extremely cobbly clay loam, Very cobbly sandy clay loam, very gravelly loam | *GC, GC-GM | *A-2-6, A-7-6, A-1-a | 0-9 | 25-45 | 35-51 | 28-46 | 20-45 | 15-36 | 21-46 | 5-23 |
| | 33-38 | *Extremely cobbly loam, Very gravelly silt loam, very cobbly loam | *GC, | *A-2-6, A-2-4, A-6 | 0-9 | 25-44 | 36-63 | 28-59 | 23-54 | 16-41 | 25-37 | 8-16 |
| | 38-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dipcreek----- | 0-4 | *Gravelly loam | *SC-SM, GC-GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 144: Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 144: Sprollo----- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Mumford----- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-6, A-2-4 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 145: Marshdale----- | 0-2 | *Highly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-9 | *Silt loam | *ML, MH | *A-7-5, A-6 | 0 | 0 | 89-100 | 87-100 | 78-97 | 65-82 | 40-54 | 12-17 |
| | 9-15 | *Silt loam, Loam | *ML, MH | *A-7-5, A-6 | 0 | 0 | 90-100 | 88-100 | 79-97 | 68-85 | 37-59 | 12-24 |
| | 15-24 | *Silty clay loam, Silt loam, clay loam | *ML, MH, CL | *A-7-6, A-6, A-7-5 | 0 | 0-8 | 88-100 | 87-100 | 77-100 | 68-94 | 33-55 | 12-24 |
| | 24-38 | *Silty clay loam, Clay loam, silt loam | *CL, | *A-7-6, A-6 | 0 | 0-8 | 89-100 | 87-100 | 78-100 | 68-94 | 31-50 | 12-24 |
| | 38-50 | *Silt loam, Silty clay loam, clay loam, sandy clay loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 87-100 | 87-100 | 78-100 | 67-94 | 30-48 | 12-24 |
| | 50-60 | *Extremely gravelly loamy coarse sand, Very gravelly loamy coarse sand, gravelly sand, cobbly sand | *GP-GM, GM, GP | *A-1-a, A-1-b | 0 | 0-16 | 24-59 | 18-54 | 10-33 | 4-15 | 0-18 | NP-2 |
| Bloomcreek----- | 0-3 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0 | 80-100 | 75-100 | 70-90 | 60-85 | 31-43 | 9-15 |
| | 3-17 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0 | 80-100 | 75-100 | 70-90 | 60-85 | 29-41 | 9-15 |
| | 17-24 | *Stratified gravelly loamy coarse sand to silt loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0 | 63-83 | 56-83 | 48-78 | 28-48 | 21-33 | 6-12 |
| | 24-32 | *Stratified very gravelly loamy sand to silt loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0 | 63-83 | 56-83 | 48-78 | 28-48 | 21-33 | 6-12 |
| | 32-38 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0-10 | 84-100 | 80-100 | 69-99 | 56-82 | 22-39 | 6-15 |
| | 38-60 | *Stratified extremely gravelly loamy coarse sand to gravelly sandy loam | *GW, SC-SM | *A-1-a, A-1-b | 0 | 0 | 28-82 | 17-71 | 8-42 | 3-18 | 0-23 | NP-6 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|--------------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 146: Merkley----- | 0-2 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 97-100 | 89-99 | 25-30 | 5-10 |
| | 2-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 89-99 | 82-92 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 89-100 | 85-98 | 25-35 | 5-15 |
| | 20-28 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-93 | 25-35 | 5-15 |
| | 28-36 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 97-100 | 89-95 | 25-35 | 5-15 |
| | 36-40 | *Loam, Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 73-80 | 25-30 | 5-10 |
| | 40-53 | *Fine sandy loam, Sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 97-100 | 84-95 | 35-45 | 20-25 | NP-5 |
| | 53-56 | *Sandy loam, Fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 97-100 | 70-81 | 32-42 | 20-25 | NP-5 |
| | 56-61 | *Loamy coarse sand, Sand | *SM, | *A-2-4, | 0 | 0 | 94-100 | 93-100 | 53-62 | 22-28 | 15-20 | NP |
| 147: Millerditch---- | 0-1 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 96-100 | 94-100 | 85-100 | 75-93 | 35-50 | 15-25 |
| | 1-8 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 96-100 | 94-100 | 85-100 | 75-95 | 35-50 | 15-25 |
| | 8-11 | *Silt loam, Silty clay loam, fine sandy loam | *CL-ML, ML, CL | *A-4, | 0 | 0 | 96-100 | 94-100 | 77-100 | 66-89 | 20-30 | NP-10 |
| | 11-15 | *Loam, Fine sandy loam, silt loam | *CL-ML, ML, CL | *A-4, | 0 | 0 | 96-100 | 94-100 | 81-95 | 57-71 | 20-30 | NP-10 |
| | 15-29 | *Fine sandy loam, Very fine sandy loam, loam | *SC-SM, SC, SM | *A-4, | 0 | 0 | 96-100 | 94-100 | 84-99 | 34-46 | 20-30 | NP-10 |
| | 29-45 | *Sandy loam, Sand, loamy very fine sand | *SM, SC-SM | *A-4, A-2-4 | 0 | 0 | 97-100 | 95-100 | 66-85 | 31-48 | 0-25 | NP-5 |
| | 45-53 | *Loamy sand, Sandy loam, sand | *SM, SC-SM | *A-2-4, | 0 | 0 | 97-100 | 95-100 | 71-84 | 24-35 | 0-25 | NP-5 |
| | 53-61 | *Sandy loam, Loamy sand | *SM, SC-SM | *A-4, A-2-4 | 0 | 0 | 80-100 | 75-100 | 51-82 | 22-45 | 0-25 | NP-5 |
| Cookcan----- | 0-3 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 100 | 80-90 | 25-30 | 5-10 |
| | 3-9 | *Silty clay, Silty clay loam | *ML, MH, CL | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 100 | 90-100 | 40-55 | 15-25 |
| | 9-12 | *Silty clay loam, Silt loam | *CL, | *A-6, A-7-6, A-4 | 0 | 0 | 100 | 100 | 100 | 90-95 | 30-45 | 10-20 |
| | 12-24 | *Fine sandy loam, Loam, sandy loam | *CL, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 85-95 | 40-65 | 25-30 | 5-10 |
| | 24-35 | *Fine sandy loam, Loam, sandy loam | *CL, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 85-95 | 40-65 | 25-30 | 5-10 |
| | 35-40 | *Loam, Fine sandy loam, sandy loam | *CL, SC-SM | *A-4, | 0 | 0 | 100 | 100 | 85-95 | 40-65 | 25-30 | 5-10 |
| | 40-58 | *Stratified loamy sand to loam | *SC-SM, SC, SM | *A-4, A-2-4 | 0 | 0 | 92-100 | 90-100 | 70-90 | 25-50 | 20-30 | NP-10 |
| | 58-61 | *Stratified very gravelly loamy sand to fine sandy loam | *SM, SC-SM | *A-2-4, A-1-b | 0 | 0-3 | 58-83 | 53-77 | 42-70 | 13-32 | 20-25 | NP-5 |
| 148: Mumford----- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 149: Mumford----- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|-------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 149: Sprollo-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | | | | | | | | | | | | |
| 150: Mumford-- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | | | | | | | | | | | | |
| Sprollo, dry-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | | | | | | | | | | | | |
| 151: Mumford-- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | | | | | | | | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 151: Sprollo, dry-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 152: Nielsen----- | 0-6 | *Gravelly loam | *SM, GC, GM | *A-6, A-2-6, A-7-6 | 0 | 0-14 | 54-75 | 50-73 | 43-67 | 31-49 | 33-43 | 12-15 |
| | 6-12 | *Very cobbly silt loam | *GC, CL | *A-6, A-2-6 | 0 | 26-57 | 43-71 | 38-66 | 35-63 | 29-53 | 31-40 | 12-15 |
| | 12-18 | *Extremely cobbly silty clay loam, Very cobbly clay loam, very gravelly loam | *CL, GC | *A-7-6, A-2-6 | 0 | 32-73 | 41-79 | 35-76 | 32-76 | 29-71 | 34-47 | 16-25 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| Hagenbarth----- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| 153: North Beach---- | 0-3 | *Extremely cobbly loamy coarse sand | *GW-GM, GM, GW | *A-1-a, | 0 | 41-57 | 29-52 | 18-46 | 11-28 | 4-13 | 0-10 | NP |
| | 3-22 | *Extremely cobbly loamy coarse sand, Extremely gravelly coarse sand, extremely cobbly sand, extremely gravelly loamy sand, very gravelly loamy sand | *GW-GM, GM, GP | *A-1-a, A-1-b | 0 | 29-71 | 21-59 | 16-55 | 9-34 | 4-16 | 0-10 | NP |
| | 22-41 | *Very fine sandy loam, Loamy very fine sand | *SC-SM, CL | *A-4, | 0 | 0 | 86-100 | 84-100 | 77-100 | 42-67 | 21-28 | 4-9 |
| | 41-50 | *Loamy very fine sand, Sandy loam | *SC-SM, SM, CL | *A-4, A-2-4 | 0 | 0 | 86-100 | 84-100 | 78-100 | 35-55 | 2-28 | 2-9 |
| | 50-60 | *Stratified loamy sand to sandy loam | *SC-SM, SM, SC | *A-2-4, A-4 | 0 | 0 | 86-100 | 84-100 | 63-83 | 23-37 | 2-28 | 2-9 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 154: Nuffer----- | 0-2 | *Gravelly loam | *GC, SC, GC-GM | *A-4, A-2-4 | 0 | 0 | 60-78 | 55-75 | 47-68 | 33-49 | 25-30 | 5-10 |
| | 2-6 | *Gravelly sandy loam | *SC, SC-SM | *A-2-4, A-1-b | 0 | 0 | 61-79 | 57-76 | 42-61 | 20-32 | 25-30 | 5-10 |
| | 6-16 | *Gravelly sandy loam | *SC, SC-SM | *A-2-4, A-1-b | 0 | 0 | 61-78 | 57-75 | 42-60 | 20-31 | 25-30 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loamy sand | *GC, GC-GM | *A-2-4, A-1-a | 0 | 0-3 | 43-56 | 37-52 | 27-41 | 13-22 | 25-30 | 5-10 |
| | 24-33 | *Very gravelly loamy sand, Very gravelly sandy loam | *GM, GP-GM | *A-1-b, | 0 | 0-2 | 47-60 | 41-56 | 31-47 | 11-20 | 0-20 | NP |
| | 33-46 | *Extremely gravelly sand, Very gravelly loamy sand | *GP, GP-GM | *A-1-a, | 0 | 0-13 | 27-33 | 16-27 | 12-23 | 1-5 | 0-20 | NP |
| | 46-63 | *Extremely gravelly sand, Very gravelly loamy sand | *GP, GP-GM | *A-1-a, | 0 | 0-13 | 24-33 | 12-27 | 9-23 | 1-5 | 0-20 | NP |
| Blackotter---- | 0-2 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 95-100 | 95-100 | 95-100 | 65-85 | 25-30 | 5-10 |
| | 2-8 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 95-100 | 95-100 | 95-100 | 65-85 | 25-30 | 5-10 |
| | 8-11 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 95-100 | 95-100 | 95-100 | 60-75 | 25-30 | 5-10 |
| | 11-20 | *Clay loam, Loam, very fine sandy loam | *CL, CL-ML | *A-6, A-4 | 0 | 0 | 95-100 | 95-100 | 90-100 | 55-80 | 25-35 | 5-15 |
| | 20-37 | *Very fine sandy loam, Loam | *CL, CL-ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 88-100 | 51-61 | 25-30 | 5-10 |
| | 37-50 | *Very gravelly coarse sand, Extremely gravelly loamy sand, extremely gravelly coarse sand, extremely cobbly sand | *SW-SM, GP | *A-1-a, A-1-b | 0 | 7-38 | 44-67 | 28-60 | 12-29 | 3-9 | 0-20 | NP |
| | 50-61 | *Extremely cobbly sand, Very gravelly coarse sand, extremely gravelly loamy sand, extremely gravelly coarse sand | *GP, SP-SM, GW | *A-1-a, A-1-b | 0 | 20-43 | 41-70 | 24-63 | 10-31 | 2-9 | 0-20 | NP |
| 155: Nythar----- | 0-2 | *Mucky peat | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 2-10 | *Silt loam | *ML, CL | *A-7-6, A-6, A-7-5 | 0 | 0 | 76-100 | 73-100 | 66-97 | 55-82 | 35-48 | 12-16 |
| | 10-19 | *Silt loam, Silty clay loam | *ML, MH, CL | *A-7-6, A-6, A-7-5 | 0 | 0 | 78-100 | 75-100 | 72-100 | 63-94 | 38-55 | 16-25 |
| | 19-29 | *Silty clay loam, Gravelly silty clay loam | *CL, CH | *A-7-6, A-6 | 0 | 0 | 70-90 | 65-90 | 63-90 | 56-84 | 39-51 | 19-25 |
| | 29-42 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-90 | 63-90 | 61-90 | 55-85 | 38-47 | 19-25 |
| | 42-60 | *Gravelly sandy clay loam, Gravelly silt loam, gravelly silty clay loam, very gravelly clay loam | *GC, | *A-2-6, A-7-6 | 0 | 0-17 | 49-69 | 43-66 | 36-63 | 20-39 | 33-47 | 15-25 |
| Sagollow----- | 0-4 | *Silt loam | *CL, | *A-6, A-4 | 0-4 | 0-10 | 82-100 | 80-100 | 72-99 | 60-84 | 18-27 | 9-16 |
| | 4-12 | *Silt loam, Loam, gravelly loam | *CL, GC | *A-6, | 0 | 0-36 | 62-91 | 57-89 | 52-89 | 45-80 | 30-40 | 11-18 |
| | 12-22 | *Cobbly silty clay loam, Very cobbly silty clay loam, very gravelly loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0-10 | 19-28 | 58-81 | 52-78 | 51-78 | 45-75 | 35-45 | 15-22 |
| | 22-26 | *Very cobbly silty clay loam, Extremely cobbly clay loam, extremely cobbly silty clay loam | *CL, GC | *A-6, A-2-6, A-7-6 | 0-19 | 42-59 | 37-69 | 31-64 | 29-64 | 25-59 | 35-45 | 15-22 |
| | 26-45 | *Extremely cobbly clay loam, Very cobbly silty clay loam, very cobbly clay loam | *GC, | *A-2-6, A-7-6 | 0 | 46-67 | 30-64 | 23-59 | 19-56 | 15-44 | 35-45 | 15-22 |
| | 45-60 | *Extremely cobbly clay loam, Very cobbly silty clay, very cobbly silty clay loam | *GC, | *A-2-7, A-2-6, A-7-6 | 0 | 45-74 | 29-61 | 23-59 | 19-59 | 14-49 | 35-55 | 15-30 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 156: Ovidcreek----- | 0-2 | *Silt loam | *CL, CL-ML, ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-93 | 26-37 | 7-12 |
| | 2-5 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-93 | 25-35 | 7-12 |
| | 5-11 | *Silty clay loam | *CL, CH | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 98-100 | 94-99 | 39-51 | 20-27 |
| | 11-17 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 96-100 | 92-97 | 38-49 | 20-27 |
| | 17-24 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 85-96 | 24-37 | 9-18 |
| | 24-38 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 97-100 | 93-100 | 38-48 | 20-27 |
| | 38-61 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 86-100 | 24-40 | 9-21 |
| | 61-67 | *Very fine sandy loam, Silt loam | *ML, CL | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 57-69 | 0-25 | NP-9 |
| 157: Parding----- | 0-5 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 89-100 | 79-97 | 63-79 | 20-30 | 5-10 |
| | 5-14 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 82-100 | 73-97 | 59-79 | 20-30 | 5-10 |
| | 14-22 | *Loam, Gravelly loam | *CL-ML, CL, SM | *A-4, | 0 | 0 | 81-100 | 76-100 | 63-92 | 43-67 | 20-30 | NP-10 |
| | 22-27 | *Gravelly loam, Loam | *SC-SM, CL, SM | *A-4, | 0 | 0 | 72-100 | 69-100 | 57-92 | 39-67 | 20-30 | NP-10 |
| | 27-36 | *Loam, Sandy loam, gravelly sandy loam | *CL-ML, SM, CL | *A-4, | 0 | 0 | 76-100 | 71-100 | 59-92 | 41-67 | 20-30 | NP-10 |
| | 36-48 | *Sandy loam, Loam, gravelly sandy loam | *SC-SM, SM, SC | *A-4, A-2-4 | 0 | 0 | 76-100 | 73-100 | 52-82 | 24-44 | 20-30 | NP-10 |
| | 48-60 | *Gravelly sandy loam, Sandy loam, loam | *SC-SM, SC, SM | *A-2-4, A-4, A-1-b | 0 | 0 | 72-100 | 69-100 | 50-82 | 23-44 | 20-30 | NP-10 |
| Firading----- | 0-4 | *Gravelly loam | *SC-SM, SC | *A-4, | 0-1 | 0-10 | 70-77 | 66-74 | 55-67 | 38-49 | 20-30 | 5-10 |
| | 4-11 | *Very gravelly loam, Gravelly loam | *GC-GM, GC | *A-4, A-2-4 | 0-1 | 12-19 | 57-71 | 53-69 | 46-62 | 33-45 | 25-30 | 5-10 |
| | 11-18 | *Very gravelly sandy loam, Very gravelly loam, extremely gravelly sandy loam, extremely gravelly loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 15-30 | 36-55 | 28-50 | 20-41 | 10-22 | 20-30 | 5-10 |
| | 18-28 | *Extremely gravelly loam, Extremely gravelly sandy loam, very gravelly loam, very gravelly sandy loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 21-32 | 32-47 | 24-41 | 20-38 | 14-28 | 20-30 | 5-10 |
| | 28-39 | *Extremely gravelly loam, Extremely gravelly sandy loam, very gravelly loam, very gravelly sandy loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 21-32 | 32-47 | 24-41 | 20-38 | 14-28 | 20-30 | 5-10 |
| | 39-60 | *Bedrock | | | | | | | | | | |
| Hagenbarth----- | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| 158: Parding, dry--- | 0-5 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 89-100 | 79-97 | 63-79 | 20-30 | 5-10 |
| | 5-14 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 82-100 | 73-97 | 59-79 | 20-30 | 5-10 |
| | 14-22 | *Loam, Gravelly loam | *CL-ML, CL, SM | *A-4, | 0 | 0 | 81-100 | 76-100 | 63-92 | 43-67 | 20-30 | NP-10 |
| | 22-27 | *Gravelly loam, Loam | *SC-SM, CL, SM | *A-4, | 0 | 0 | 72-100 | 69-100 | 57-92 | 39-67 | 20-30 | NP-10 |
| | 27-36 | *Loam, Sandy loam, gravelly sandy loam | *CL-ML, SM, CL | *A-4, | 0 | 0 | 76-100 | 71-100 | 59-92 | 41-67 | 20-30 | NP-10 |
| | 36-48 | *Sandy loam, Loam, gravelly sandy loam | *SC-SM, SM, SC | *A-4, A-2-4 | 0 | 0 | 76-100 | 73-100 | 52-82 | 24-44 | 20-30 | NP-10 |
| | 48-60 | *Gravelly sandy loam, Sandy loam, loam | *SC-SM, SC, SM | *A-2-4, A-4, A-1-b | 0 | 0 | 72-100 | 69-100 | 50-82 | 23-44 | 20-30 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 158: Firading, dry-- | 0-4 | *Gravelly loam | *SC-SM, SC | *A-4, | 0-1 | 0-10 | 70-77 | 66-74 | 55-67 | 38-49 | 20-30 | 5-10 |
| | 4-11 | *Very gravelly loam, Gravelly loam | *GC-GM, GC | *A-4, A-2-4 | 0-1 | 12-19 | 57-71 | 53-69 | 46-62 | 33-45 | 25-30 | 5-10 |
| | 11-18 | *Very gravelly sandy loam, Very gravelly loam, extremely gravelly sandy loam, extremely gravelly loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 15-30 | 36-55 | 28-50 | 20-41 | 10-22 | 20-30 | 5-10 |
| | 18-28 | *Extremely gravelly loam, Extremely gravelly sandy loam, very gravelly loam, very gravelly sandy loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 21-32 | 32-47 | 24-41 | 20-38 | 14-28 | 20-30 | 5-10 |
| | 28-39 | *Extremely gravelly loam, Extremely gravelly sandy loam, very gravelly loam, very gravelly sandy loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 21-32 | 32-47 | 24-41 | 20-38 | 14-28 | 20-30 | 5-10 |
| | 39-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Hagenbarth, dry | 0-3 | *Silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 86-100 | 85-100 | 77-95 | 63-78 | 25-30 | 5-10 |
| | 3-13 | *Silt loam, Loam | *CL-ML, CL | *A-4, | 0 | 0 | 91-100 | 90-100 | 82-95 | 67-78 | 25-30 | 5-10 |
| | 13-20 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 90-100 | 82-99 | 71-87 | 30-35 | 10-15 |
| | 20-44 | *Silt loam, Loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 86-100 | 85-100 | 77-99 | 66-87 | 30-35 | 10-15 |
| | 44-61 | *Silty clay loam, Clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-100 | 71-100 | 67-100 | 59-92 | 35-45 | 15-20 |
| 159: Pegram----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 85-100 | 81-100 | 73-96 | 59-78 | 25-30 | 5-10 |
| | 6-14 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0-1 | 86-100 | 82-100 | 78-100 | 69-91 | 40-50 | 15-25 |
| | 14-21 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 69-86 | 64-82 | 61-82 | 54-75 | 40-50 | 15-25 |
| | 21-28 | *Gravelly silty clay loam, Silty clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-3 | 62-85 | 58-82 | 55-82 | 49-75 | 40-50 | 15-25 |
| | 28-39 | *Very gravelly silty clay loam, Very gravelly clay loam | *GC, | *A-7-6, A-2-6 | 0 | 0-3 | 38-54 | 32-49 | 31-49 | 27-45 | 40-50 | 15-25 |
| | 39-50 | *Extremely gravelly clay loam, Very gravelly sandy loam | *GW, GC | *A-2-6, | 0 | 0-8 | 16-37 | 6-31 | 5-28 | 4-22 | 27-38 | 12-19 |
| | 50-61 | *Extremely gravelly sandy loam, Very gravelly sandy loam, extremely gravelly loamy sand | *GW, GC-GM | *A-1-a, | 0 | 0-8 | 17-39 | 6-33 | 4-27 | 2-14 | 15-25 | NP-5 |
| 160: Pinegap----- | 0-2 | *Very gravelly loam | *GC, GM, GC-GM | *A-2-4, A-2-6 | 0 | 0 | 37-51 | 30-46 | 26-44 | 18-32 | 26-40 | 7-14 |
| | 2-6 | *Gravelly loam, Gravelly sandy loam | *GC, CL | *A-6, A-2-4, A-7-6 | 0 | 0-4 | 58-76 | 53-73 | 46-70 | 33-52 | 27-41 | 9-17 |
| | 6-15 | *Very gravelly loam, Gravelly clay loam | *GC, | *A-2-6, A-7-6 | 0-3 | 0-5 | 47-61 | 41-58 | 34-55 | 25-42 | 28-41 | 12-21 |
| | 15-25 | *Gravelly clay loam, Gravelly loam | *GC, | *A-6, A-7-6 | 0-5 | 0-9 | 51-63 | 45-60 | 36-54 | 27-43 | 28-41 | 12-21 |
| | 25-50 | *Gravelly loam, Cobbly loam | *SC, CL, GC | *A-6, A-4 | 0-12 | 0 | 65-84 | 60-82 | 50-77 | 36-57 | 24-36 | 9-17 |
| | 50-55 | *Very cobbly fine sandy loam, Very cobbly loam, cobbly loam | *SC, GC | *A-2-6, A-2-4, A-6 | 0-12 | 25-38 | 57-81 | 51-79 | 47-79 | 20-39 | 24-36 | 9-17 |
| | 55-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 161: Pinehollow----- | 0-2 | *Very cobbly silt loam | *CL, GC | *A-6, A-4 | 0 | 28-49 | 57-76 | 52-74 | 48-72 | 42-63 | 28-36 | 9-15 |
| | 2-7 | *Very cobbly silt loam, Cobbly silt loam, gravelly loam | *CL, GC | *A-6, A-4 | 0 | 10-49 | 61-79 | 56-76 | 52-76 | 46-68 | 28-39 | 9-23 |
| | 7-16 | *Cobbly loam, Cobbly silt loam, cobbly clay loam, gravelly loam | *CL, GC | *A-6, A-4, A-7-6 | 0 | 0-26 | 65-89 | 61-89 | 55-87 | 42-68 | 28-43 | 9-27 |
| | 16-22 | *Gravelly loam, Cobbly silt loam, cobbly clay loam, cobbly loam | *GC, CL | *A-6, A-7-6, A-4 | 0 | 0-26 | 65-89 | 61-89 | 55-87 | 42-68 | 28-43 | 9-27 |
| | 22-26 | *Very gravelly loam, Cobbly silt loam, cobbly clay loam, gravelly loam | *GC, CL | *A-2-6, A-2-4, A-6 | 0 | 0-32 | 55-81 | 50-79 | 44-76 | 33-59 | 29-39 | 9-25 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Ant Flat----- | 0-2 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-4 | 79-100 | 76-100 | 73-100 | 64-91 | 40-45 | 15-20 |
| | 2-5 | *Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-6 | 68-76 | 64-73 | 62-73 | 55-66 | 40-45 | 15-20 |
| | 5-9 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 62-83 | 56-77 | 40-50 | 15-25 |
| | 9-25 | *Gravelly clay, Silty clay loam, silty clay | *GC, CH | *A-7-6, A-7-5 | 0 | 0 | 66-83 | 62-83 | 49-83 | 42-72 | 55-80 | 30-50 |
| | 25-38 | *Gravelly clay, Gravelly silty clay loam, gravelly clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-17 | 69-78 | 62-75 | 52-72 | 41-59 | 40-50 | 15-25 |
| | 38-60 | *Gravelly clay loam, Gravelly sandy clay loam, clay | *GC, CL | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 55-83 | 42-70 | 40-50 | 15-25 |
| Sheep Creek---- | 0-5 | *Gravelly sandy loam | *SM, SC-SM | *A-2-6, A-1-b | 0-2 | 0-15 | 62-82 | 57-80 | 39-67 | 18-36 | 26-47 | 6-17 |
| | 5-11 | *Gravelly loam, Very cobbly loam, gravelly silt loam | *GC, GC-GM | *A-6, A-7-6, A-2-4 | 0-4 | 0-27 | 59-80 | 53-78 | 43-74 | 30-55 | 24-45 | 6-17 |
| | 11-21 | *Very gravelly clay loam, Very cobbly silty clay loam, extremely cobbly clay loam | *GC, | *A-2-7, A-2-4, A-7-6 | 0 | 9-39 | 38-60 | 31-60 | 24-60 | 18-48 | 28-49 | 9-25 |
| | 21-33 | *Extremely cobbly clay loam, Very cobbly sandy clay loam, very gravelly loam | *GC, GC-GM | *A-2-6, A-7-6, A-1-a | 0-9 | 25-45 | 35-51 | 28-46 | 20-45 | 15-36 | 21-46 | 5-23 |
| | 33-38 | *Extremely cobbly loam, Very gravelly silt loam, very cobbly loam | *GC, | *A-2-6, A-2-4, A-6 | 0-9 | 25-44 | 36-63 | 28-59 | 23-54 | 16-41 | 25-37 | 8-16 |
| | 38-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 162: Pits, gravel. | | | | | | | | | | | | |
| 163: Pontuge----- | 0-3 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 78-98 | 73-98 | 63-97 | 51-80 | 20-30 | 5-15 |
| | 3-10 | *Gravelly silt loam, Silt loam | *GC, CL, GC-GM | *A-4, A-6 | 0 | 0 | 63-89 | 58-89 | 50-88 | 40-73 | 20-30 | 5-15 |
| | 10-17 | *Gravelly silt loam, Gravelly loam, gravelly clay loam | *CL, GC | *A-6, A-4 | 0 | 0-3 | 58-77 | 53-74 | 48-74 | 41-66 | 30-40 | 10-20 |
| | 17-21 | *Gravelly loam, Gravelly silt loam, gravelly clay loam | *GC, CL | *A-6, A-2-4 | 0 | 0-3 | 58-77 | 53-74 | 45-71 | 33-54 | 30-40 | 10-20 |
| | 21-24 | *Gravelly loam, Gravelly sandy loam, very gravelly sandy loam | *GC-GM, GC | *A-4, A-2-4 | 0 | 0-8 | 51-65 | 45-62 | 38-57 | 27-42 | 25-30 | 5-10 |
| | 24-42 | *Extremely gravelly sandy loam, Very gravelly sandy loam | *GC-GM, GC, GW-GC | *A-2-4, A-1-a | 0 | 0-29 | 36-62 | 24-58 | 17-48 | 8-25 | 15-28 | 5-10 |
| | 42-60 | *Extremely gravelly loamy sand, Very gravelly sandy loam, gravelly loamy sand | *GP-GM, GC-GM | *A-1-a, A-1-b | 0 | 0-15 | 26-50 | 19-50 | 15-40 | 5-21 | 10-20 | NP-5 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-----------------------|--------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 163: Cokeville----- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-4, | 0 | 0-10 | 67-76 | 63-72 | 53-67 | 38-49 | 25-30 | 5-10 |
| | 2-5 | *Gravelly silt loam, Gravelly loam | *CL-ML, GC- GM, CL | *A-4, | 0 | 0-8 | 68-77 | 64-74 | 57-72 | 47-60 | 25-30 | 5-10 |
| | 5-9 | *Gravelly clay loam, Gravelly silty clay loam | *CL, GC | *A-6, | 0 | 0 | 57-77 | 53-74 | 46-70 | 36-55 | 35-40 | 15-20 |
| | 9-15 | *Gravelly loam, Gravelly silty loam, gravelly silty clay loam | *GC, CL | *A-6, A-2-6 | 0 | 0 | 52-71 | 48-66 | 39-66 | 29-51 | 25-40 | 15-20 |
| | 15-31 | *Gravelly silt loam, Gravelly silty clay loam, gravelly loam | *CL, GC | *A-6, | 0 | 0 | 52-71 | 48-66 | 42-66 | 37-62 | 25-40 | 15-20 |
| | 31-43 | *Gravelly silty clay loam, Gravelly silt loam, gravelly loam | *GC, CL | *A-6, | 0 | 0 | 52-71 | 48-66 | 43-66 | 38-64 | 25-40 | 15-20 |
| | 43-56 | *Silty clay loam, Clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 84-100 | 82-100 | 76-99 | 67-88 | 40-45 | 20-25 |
| | 56-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 164: Preussrange---- | 0-4 | *Channery silt loam | *CL, GC-GM | *A-4, | 0 | 9-15 | 67-82 | 66-81 | 58-77 | 46-62 | 25-30 | 5-10 |
| | 4-9 | *Channery silt loam, Very channery silt loam | *CL, GC | *A-6, A-4 | 0 | 14-20 | 52-67 | 50-66 | 45-65 | 38-55 | 30-40 | 10-20 |
| | 9-13 | *Very channery silty clay loam, Channery silt loam | *GC, CL | *A-6, A-7-6 | 0 | 14-22 | 48-67 | 45-66 | 43-66 | 38-61 | 35-45 | 15-25 |
| | 13-17 | *Very channery silty clay loam | *GC, CL | *A-6, | 0 | 25-35 | 49-66 | 48-66 | 46-66 | 41-59 | 35-40 | 15-20 |
| | 17-25 | *Extremely channery silty clay loam | *GC, | *A-2-6, A-6 | 0 | 36-42 | 30-46 | 29-45 | 28-45 | 25-42 | 35-40 | 15-20 |
| | 25-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Halfcircle----- | 0-1 | *Highly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-7 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0-5 | 89-100 | 88-100 | 83-100 | 76-96 | 25-30 | 5-10 |
| | 7-16 | *Silt loam, Silty clay loam | *CL, | *A-6, | 0 | 0-5 | 90-100 | 90-100 | 89-100 | 85-100 | 35-40 | 15-20 |
| | 16-22 | *Silt loam | *ML, | *A-4, | 0 | 0-4 | 91-100 | 90-100 | 87-100 | 81-95 | 30-35 | 5-10 |
| | 22-42 | *Silt loam | *ML, | *A-4, | 0 | 0-4 | 91-100 | 90-100 | 87-100 | 81-95 | 30-35 | 5-10 |
| | 42-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 165: Prucree----- | 0-2 | *Sandy loam | *SM, | *A-2-4, A-4 | 0 | 0 | 84-100 | 83-100 | 62-79 | 31-42 | 25-30 | NP-5 |
| | 2-10 | *Sandy loam, Loam | *SM, | *A-2-4, A-4 | 0 | 0 | 84-100 | 83-100 | 62-79 | 31-42 | 25-30 | NP-5 |
| | 10-19 | *Sandy loam, Loam, gravelly loam | *SM, | *A-4, A-1-b | 0 | 0 | 69-93 | 65-93 | 48-74 | 24-39 | 25-30 | NP-5 |
| | 19-28 | *Sandy loam, Loam, gravelly loam | *SM, | *A-4, A-1-b | 0 | 0 | 70-93 | 65-93 | 49-74 | 24-39 | 25-30 | NP-5 |
| | 28-29 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | 29-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dipcreek----- | 0-4 | *Gravelly loam | *SC-SM, GC- GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 166: Raynal----- | 0-10 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 96-100 | 93-100 | 40-45 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 93-100 | 89-99 | 35-50 | 15-25 |
| | 22-29 | *Silt loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 99-100 | 95-100 | 35-50 | 15-25 |
| | 29-35 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 93-100 | 89-99 | 35-50 | 15-25 |
| | 35-40 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-45 | 10-20 |
| | 40-46 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4, A-7-6 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-45 | 10-20 |
| | 46-60 | *Very fine sandy loam, Silt loam | *CL, SC-SM | *A-4, A-6 | 0 | 0 | 80-100 | 73-100 | 70-100 | 40-68 | 25-35 | 5-15 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|--|------------------|------------------|--------------------------|-------|--------------------------------------|--------|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 167: Raynal----- | 0-10 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 96-100 | 93-100 | 40-45 | 15-20 |
| | 10-22 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 93-100 | 89-99 | 35-50 | 15-25 |
| | 22-29 | *Silt loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 99-100 | 95-100 | 35-50 | 15-25 |
| | 29-35 | *Silty clay loam, Silt loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 93-100 | 89-99 | 35-50 | 15-25 |
| | 35-40 | *Silt loam, Silty clay loam | *CL, | *A-6, A-7-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-45 | 10-20 |
| | 40-46 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4, A-7-6 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-45 | 10-20 |
| | 46-60 | *Very fine sandy loam, Silt loam | *CL, SC-SM | *A-4, A-6 | 0 | 0 | 80-100 | 73-100 | 70-100 | 40-68 | 25-35 | 5-15 |
| Lago----- | 0-8 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 8-13 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 13-19 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 88-96 | 25-35 | 5-15 |
| | 19-29 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 29-38 | *Silty clay loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 92-100 | 88-100 | 30-40 | 10-20 |
| | 38-45 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 45-55 | *Silt loam, Silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 96-100 | 92-100 | 30-40 | 10-20 |
| | 55-60 | *Fine sandy loam, Silt loam, sandy loam | *SC, SC-SM | *A-4, A-6, A-2-4 | 0 | 0 | 100 | 100 | 86-100 | 34-50 | 20-35 | 5-15 |
| 168: Ream----- | 0-3 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 87-100 | 84-100 | 75-96 | 61-79 | 25-30 | 5-10 |
| | 3-13 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 85-100 | 82-100 | 74-96 | 60-79 | 25-30 | 5-10 |
| | 13-19 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 93-100 | 91-100 | 80-100 | 66-84 | 25-35 | 5-15 |
| | 19-24 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 73-100 | 60-84 | 25-35 | 5-15 |
| | 24-29 | *Loam, Silt loam | *CL, SC-SM | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 68-95 | 49-71 | 25-35 | 5-15 |
| | 29-34 | *Sandy loam, Fine sandy loam, gravelly sandy loam | *SM, SC-SM | *A-4, A-1-b | 0 | 0 | 76-100 | 69-100 | 50-82 | 24-45 | 20-25 | NP-5 |
| | 34-50 | *Very gravelly loamy coarse sand, Extremely gravelly sand | *GP-GM, GC-GM | *A-1-a, A-1-b | 0 | 0-9 | 46-57 | 28-50 | 16-31 | 7-14 | 20-25 | NP-5 |
| | 50-61 | *Extremely gravelly sand, Very gravelly loamy coarse sand | *GP, SP-SC | *A-1-a, A-1-b | 0 | 14-26 | 39-56 | 21-49 | 16-39 | 1-5 | 20-25 | NP-5 |
| Merkley----- | 0-2 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 97-100 | 89-99 | 25-30 | 5-10 |
| | 2-12 | *Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 89-99 | 82-92 | 25-30 | 5-10 |
| | 12-20 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 89-100 | 85-98 | 25-35 | 5-15 |
| | 20-28 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-93 | 25-35 | 5-15 |
| | 28-36 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 97-100 | 89-95 | 25-35 | 5-15 |
| | 36-40 | *Loam, Silt loam | *CL, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 73-80 | 25-30 | 5-10 |
| | 40-53 | *Fine sandy loam, Sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 97-100 | 84-95 | 35-45 | 20-25 | NP-5 |
| | 53-56 | *Sandy loam, Fine sandy loam | *SM, SC-SM | *A-4, | 0 | 0 | 100 | 97-100 | 70-81 | 32-42 | 20-25 | NP-5 |
| | 56-61 | *Loamy coarse sand, Sand | *SM, | *A-2-4, | 0 | 0 | 94-100 | 93-100 | 53-62 | 22-28 | 15-20 | NP |
| 169: Redpine----- | 0-4 | *Loam | *CL, SC | *A-4, | 0 | 0-2 | 81-100 | 78-100 | 67-90 | 48-66 | 26-30 | 8-11 |
| | 4-10 | *Loam, Gravelly loam | *CL, SC | *A-4, A-6 | 0 | 0-4 | 82-100 | 78-100 | 68-90 | 48-66 | 26-30 | 8-11 |
| | 10-16 | *Clay loam, Gravelly clay loam | *CL, GC | *A-6, | 0 | 0-9 | 70-90 | 67-90 | 59-85 | 46-68 | 35-40 | 15-20 |
| | 16-22 | *Clay loam, Gravelly clay loam | *CL, | *A-6, | 0 | 0-9 | 75-91 | 72-91 | 63-86 | 50-68 | 35-40 | 15-20 |
| | 22-26 | *Paragravelly clay loam, Gravelly clay loam, loam, clay loam | *CL, SC | *A-6, A-4 | 0 | 0-9 | 75-100 | 71-100 | 60-92 | 45-71 | 30-37 | 9-16 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Draney----- | 0-6 | *Gravelly loam | *SC, GC | *A-4, A-6 | 0 | 0 | 63-76 | 58-72 | 50-65 | 36-47 | 28-34 | 9-11 |
| | 6-12 | *Gravelly loam, Paragravelly loam | *GC, CL | *A-4, A-6 | 0 | 0-1 | 67-81 | 66-81 | 58-76 | 41-56 | 29-36 | 9-12 |
| | 12-18 | *Paragravelly loam, Paragravelly loam | *CL, | *A-4, A-6 | 0 | 0-1 | 83-91 | 81-91 | 70-85 | 51-62 | 28-36 | 9-12 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|---|----------------|-------------|--------------------------|------|--------------------------------------|--------|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 169: Brushtop----- | 0-6 | *Loam | *CL, | *A-4, A-6 | 0 | 0 | 87-100 | 84-100 | 73-91 | 53-66 | 28-30 | 9-12 |
| | 6-12 | *Loam | *CL, | *A-4, A-6 | 0 | 0 | 85-100 | 81-100 | 70-93 | 51-69 | 28-30 | 9-12 |
| | 12-19 | *Loam, Clay loam, gravelly clay loam | *CL, GC | *A-6, A-7-6 | 0 | 0 | 70-90 | 66-90 | 59-88 | 45-68 | 34-41 | 14-20 |
| | 19-26 | *Gravelly clay loam, Clay loam | *CL, GC | *A-6, A-7-6 | 0 | 0 | 71-82 | 67-82 | 59-79 | 46-63 | 34-41 | 14-20 |
| | 26-43 | *Gravelly clay loam, Clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0 | 71-82 | 67-82 | 59-79 | 46-62 | 39-46 | 18-23 |
| | 43-60 | *Bedrock | | | | | | | | | | |
| 170: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| 171: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| 172: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| 173: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|------------------|----------------|-----------|--------------------------|------|--------------------------------------|-----|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 173: Kucera----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |
| 174: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Kucera----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |
| 175: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Kucera----- | 0-6 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 25-34 | 6-11 |
| | 6-16 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-34 | 6-11 |
| | 16-26 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 86-93 | 23-33 | 6-11 |
| | 26-34 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 87-94 | 21-30 | 6-11 |
| | 34-44 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-28 | 3-9 |
| | 44-60 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 87-96 | 18-27 | 3-9 |
| 176: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, CL-ML | *A-4, ML | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Ririe----- | 0-7 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 7-14 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 14-19 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 19-33 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 33-45 | *Silt loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 45-60 | *Silt loam, Loam | *CL-ML, CL, ML | *A-4, ML | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|------------------|----------------|-----------|--------------------------|------|--------------------------------------|-----|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 177: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Ririe----- | 0-7 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 7-14 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 14-19 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 19-33 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 33-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 45-60 | *Silt loam, Loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| 178: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Ririe----- | 0-7 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 7-14 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 14-19 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 19-33 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 33-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 45-60 | *Silt loam, Loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| 179: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| Watercanyon---- | 0-4 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 4-11 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 22-33 | 6-12 |
| | 11-23 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 23-32 | *Silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 100 | 80-95 | 21-31 | 6-12 |
| | 32-60 | *Silt loam, Loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 90-100 | 60-90 | 18-30 | 4-12 |
| 180: Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|----------------|--------------------|-----------------------|-------|-----------------------------------|-------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 180: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 181: Richollow----- | 0-7 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-6, A-1-b | 0-10 | 10-20 | 42-54 | 35-48 | 31-46 | 25-38 | 25-30 | 5-11 |
| | 7-13 | *Extremely cobbly silt loam, Very cobbly loam, very gravelly sandy loam | *GC-GM, GC, GM | *A-1-b, A-4 | 0-9 | 25-56 | 34-60 | 26-56 | 23-54 | 18-43 | 20-25 | 2-8 |
| | 13-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| 182: Richollow----- | 0-7 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-6, A-1-b | 0-10 | 10-20 | 42-54 | 35-48 | 31-46 | 25-38 | 25-30 | 5-11 |
| | 7-13 | *Extremely cobbly silt loam, Very cobbly loam, very gravelly sandy loam | *GC-GM, GC, GM | *A-1-b, A-4 | 0-9 | 25-56 | 34-60 | 26-56 | 23-54 | 18-43 | 20-25 | 2-8 |
| | 13-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Ledgehollow---- | 0-4 | *Gravelly loam | *SC, CL, GC | *A-4, A-6 | 0 | 0 | 71-81 | 67-81 | 58-73 | 42-53 | 26-30 | 8-11 |
| | 4-9 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, | 0 | 0 | 70-79 | 67-75 | 57-71 | 42-54 | 30-37 | 11-16 |
| | 9-15 | *Gravelly clay loam, Paragravelly clay loam, gravelly loam | *CL, SC | *A-6, | 0 | 0 | 75-91 | 71-91 | 59-85 | 45-67 | 30-37 | 11-16 |
| | 15-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 183: Ririe----- | 0-7 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 7-14 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 98-100 | 89-92 | 20-30 | NP-10 |
| | 14-19 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 19-33 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 33-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| | 45-60 | *Silt loam, Loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 96-100 | 88-94 | 20-30 | NP-10 |
| Iphil----- | 0-5 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 94-100 | 85-96 | 20-28 | NP-10 |
| | 5-13 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 13-30 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 30-45 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 45-52 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |
| | 52-60 | *Silt loam | *CL-ML, CL, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 87-95 | 20-28 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|----------------------------------|-------|--|----------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 184: Sadducee----- | 0-6 | *Loamy fine sand | *SM, | *A-2-4, | 0 | 0 | 85-100 | 82-100 | 75-97 | 22-32 | 0-10 | NP |
| | 6-10 | *Gravelly loamy fine sand, Fine sandy loam, loam, silt loam | *SC, SM | *A-2-4, A-7-6 | 0 | 0 | 61-90 | 57-90 | 54-90 | 18-37 | 2-43 | NP-21 |
| | 10-17 | *Silt loam, Loam, sandy clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-98 | 69-98 | 63-98 | 55-93 | 30-43 | 11-21 |
| | 17-25 | *Silt loam, Loam, sandy clay loam, gravelly clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 74-98 | 69-98 | 63-98 | 55-93 | 30-43 | 11-21 |
| | 25-49 | *Silty clay loam, Sandy clay loam, gravelly clay loam, loam | *CL, | *A-6, A-7-6 | 0 | 0 | 75-98 | 70-98 | 64-98 | 57-94 | 30-43 | 11-21 |
| | 49-60 | *Very fine sandy loam, Fine sandy loam, loam, gravelly loam | *CL-ML, SM, CL | *A-4, A-7-6 | 0 | 0 | 75-100 | 70-100 | 68-100 | 46-76 | 2-43 | NP-21 |
| Bearbeach----- | 0-3 | *Muck | *PT, | *A-8, | 0 | 0 | 100 | 100 | 85-100 | 80-100 | — | — |
| | 3-6 | *Mucky sandy loam, Sandy loam, loam | *SM, SC-SM | *A-5, A-2 | 0 | 0 | 90-100 | 85-100 | 55-75 | 30-55 | 44-60 | 6-10 |
| | 6-15 | *Very gravelly loamy coarse sand, Extremely gravelly loamy sand, very gravelly coarse sandy loam | *GP-GM, GM | *A-1-a, | 0 | 0-15 | 15-50 | 10-45 | 5-30 | 0-20 | 0-26 | NP-5 |
| | 15-60 | *Extremely gravelly loamy coarse sand, Extremely gravelly sand | *GP-GM, GP | *A-1-a, | 0 | 0-30 | 10-40 | 5-35 | 0-20 | 0-10 | 0-23 | NP-5 |
| 185: Sheep Creek, dry----- | 0-5 | *Gravelly sandy loam | *SM, SC-SM | *A-2-6, A-1-b | 0-2 | 0-15 | 62-82 | 57-80 | 39-67 | 18-36 | 26-47 | 6-17 |
| | 5-11 | *Gravelly loam, Very cobbly loam, gravelly silt loam | *GC, GC-GM | *A-6, A-7-6, A-2-4 | 0-4 | 0-27 | 59-80 | 53-78 | 43-74 | 30-55 | 24-45 | 6-17 |
| | 11-21 | *Very gravelly clay loam, Very cobbly silty clay loam, extremely cobbly clay loam | *GC, | *A-2-7, A-2-4, A-7-6 | 0 | 9-39 | 38-60 | 31-60 | 24-60 | 18-48 | 28-49 | 9-25 |
| | 21-33 | *Extremely cobbly clay loam, Very cobbly sandy clay loam, very gravelly loam | *GC, GC-GM | *A-2-6, A-7-6, A-1-a | 0-9 | 25-45 | 35-51 | 28-46 | 20-45 | 15-36 | 21-46 | 5-23 |
| | 33-38 | *Extremely cobbly loam, Very gravelly silt loam, very cobbly loam | *GC, | *A-2-6, A-2-4, A-6 | 0-9 | 25-44 | 36-63 | 28-59 | 23-54 | 16-41 | 25-37 | 8-16 |
| | 38-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Taylow, dry---- | 0-6 | *Loam | *CL, | *A-6, A-4 | 0 | 0-5 | 87-100 | 83-100 | 70-92 | 51-69 | 28-34 | 9-14 |
| | 6-13 | *Loam, Gravelly sandy loam, silt loam | *CL, SC | *A-6, A-4 | 0 | 0-9 | 75-87 | 70-87 | 59-82 | 43-61 | 28-35 | 9-15 |
| | 13-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dry Canyon, dry | 0-3 | *Loam | *CL, | *A-6, A-4 | 0 | 0-5 | 87-100 | 84-100 | 72-92 | 51-68 | 25-32 | 8-13 |
| | 3-10 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 81-90 | 79-90 | 71-90 | 61-81 | 28-39 | 9-18 |
| | 10-18 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 82-91 | 79-91 | 71-91 | 62-81 | 28-39 | 9-18 |
| | 18-25 | *Gravelly silty clay loam, Gravelly clay loam, Gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 54-75 | 48-71 | 33-44 | 13-22 |
| | 25-38 | *Gravelly clay loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 48-72 | 37-58 | 33-44 | 13-22 |
| | 38-48 | *Gravelly loam, Gravelly silt loam, gravelly clay loam, gravelly silty clay loam | *CL, GC | *A-6, A-7-6 | 0-4 | 0-4 | 70-78 | 66-75 | 58-75 | 43-58 | 33-44 | 13-22 |
| | 48-53 | *Loam, Silt loam, gravelly loam | *CL, | *A-6, A-4 | 0-6 | 0-6 | 84-91 | 83-91 | 70-83 | 50-61 | 26-32 | 8-13 |
| | 53-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|---------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 186: | | | | | | | | | | | | |
| Slights----- | 0-5 | *Loam | *CL, | *A-6, A-4 | 0 | 0 | 84-100 | 80-100 | 69-91 | 50-67 | 28-32 | 9-13 |
| | 5-12 | *Loam, Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 84-100 | 80-100 | 69-91 | 50-67 | 28-32 | 9-13 |
| | 12-20 | *Silty clay loam, Silty clay loam, clay | *CH, MH | *A-7-5, A-7-6 | 0 | 0 | 85-100 | 81-100 | 75-100 | 67-97 | 50-66 | 21-32 |
| | 20-39 | *Silty clay, Clay | *MH, | *A-7-5, | 0 | 0 | 85-100 | 82-100 | 75-100 | 73-100 | 56-70 | 25-35 |
| | 39-60 | *Silty clay, Clay | *MH, | *A-7-5, | 0 | 0 | 85-100 | 82-100 | 75-100 | 73-100 | 56-70 | 25-35 |
| Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |
| 187: | | | | | | | | | | | | |
| Springhollow--- | 0-3 | *Gravelly silt loam | *ML, CL, GM | *A-6, A-4 | 0 | 0 | 62-76 | 59-73 | 53-70 | 42-57 | 35-40 | 10-15 |
| | 3-11 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 81-90 | 77-90 | 69-86 | 56-71 | 35-40 | 10-15 |
| | 11-19 | *Silt loam, Cobbly silt loam, gravelly loam | *ML, GM, CL | *A-6, A-4 | 0 | 0-18 | 71-91 | 67-91 | 60-87 | 49-71 | 35-40 | 10-15 |
| | 19-29 | *Loam, Silt loam, gravelly loam, cobbly silt loam | *ML, SM, CL | *A-6, A-4 | 0 | 0-15 | 73-92 | 70-92 | 60-84 | 42-60 | 35-40 | 10-15 |
| | 29-36 | *Gravelly loam, Gravelly silt loam, very gravelly loam | *GM, SC | *A-6, A-2-4 | 0 | 0-9 | 57-78 | 52-75 | 44-68 | 31-49 | 35-40 | 10-15 |
| | 36-40 | *Cemented | | | — | — | — | — | — | — | — | — |
| Arbone----- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |
| 188: | | | | | | | | | | | | |
| Springhollow, dry----- | 0-3 | *Gravelly silt loam | *ML, CL, GM | *A-6, A-4 | 0 | 0 | 62-76 | 59-73 | 53-70 | 42-57 | 35-40 | 10-15 |
| | 3-11 | *Silt loam | *ML, CL | *A-6, A-4 | 0 | 0 | 81-90 | 77-90 | 69-86 | 56-71 | 35-40 | 10-15 |
| | 11-19 | *Silt loam, Cobbly silt loam, gravelly loam | *ML, GM, CL | *A-6, A-4 | 0 | 0-18 | 71-91 | 67-91 | 60-87 | 49-71 | 35-40 | 10-15 |
| | 19-29 | *Loam, Silt loam, gravelly loam, cobbly silt loam | *ML, SM, CL | *A-6, A-4 | 0 | 0-15 | 73-92 | 70-92 | 60-84 | 42-60 | 35-40 | 10-15 |
| | 29-36 | *Gravelly loam, Gravelly silt loam, very gravelly loam | *GM, SC | *A-6, A-2-4 | 0 | 0-9 | 57-78 | 52-75 | 44-68 | 31-49 | 35-40 | 10-15 |
| | 36-40 | *Cemented | | | — | — | — | — | — | — | — | — |
| Arbone, dry---- | 0-5 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 5-9 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 83-100 | 83-100 | 75-95 | 61-78 | 20-35 | NP-10 |
| | 9-18 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 18-34 | *Silt loam | *ML, | *A-4, | 0 | 0-1 | 68-100 | 68-100 | 61-95 | 50-78 | 20-35 | NP-10 |
| | 34-60 | *Gravelly silt loam, Gravelly loam | *ML, GM | *A-4, | 0 | 0-5 | 60-80 | 55-75 | 50-70 | 40-60 | 20-35 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|-------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 189: Sprollo-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Lonjon-- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 190: Sprollo, dry-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Lonjon-- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|-------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 191: Sprollo-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Lonjon-- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Mumford-- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 192: Sprollo, dry-- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Lonjon-- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 192: Mumford----- | 0-3 | *Very gravelly silt loam | *GC, GC-GM | *A-2-4, A-4 | 0 | 8-26 | 43-55 | 37-51 | 33-48 | 27-40 | 25-30 | 5-10 |
| | 3-6 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-9 | 42-53 | 37-49 | 33-46 | 26-38 | 35-40 | 10-15 |
| | 6-12 | *Very gravelly silt loam, Very gravelly loam, very channery loam | *GM, GC | *A-2-6, A-2-4, A-6 | 0 | 0-17 | 40-53 | 34-49 | 31-46 | 25-38 | 35-40 | 10-15 |
| | 12-17 | *Extremely gravelly loam, Extremely channery loam, very gravelly silt loam | *GP-GM, GC | *A-2-6, A-2-4 | 0 | 0-17 | 19-40 | 13-34 | 11-31 | 8-22 | 35-40 | 10-15 |
| | 17-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 193: Sprollow----- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-2-4, A-6 | 0 | 0-6 | 53-63 | 47-58 | 40-51 | 28-36 | 23-26 | 6-11 |
| | 2-7 | *Gravelly loam, Very gravelly silt loam, very gravelly loam | *GC, GC-GM | *A-4, A-6, A-1-b | 0 | 0-7 | 45-62 | 39-59 | 33-52 | 24-37 | 23-26 | 6-11 |
| | 7-16 | *Very gravelly loam, Very gravelly silt loam, extremely gravelly silt loam | *GC-GM, GC | *A-2-4, A-1-a | 0 | 9-17 | 32-53 | 25-48 | 21-45 | 15-32 | 18-24 | 5-10 |
| | 16-24 | *Very gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly loam | *GC-GM, GP-GC, GC | *A-2-4, A-1-a | 0 | 12-19 | 27-53 | 20-49 | 15-40 | 7-22 | 18-25 | 5-10 |
| | 24-34 | *Extremely gravelly sandy loam, Very gravelly loam, very gravelly silt loam, extremely gravelly silt loam | *GP-GC, GC | *A-2-4, A-1-a | 0 | 14-25 | 20-39 | 14-34 | 10-28 | 5-15 | 18-25 | 5-10 |
| | 34-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| Lonjon----- | 0-3 | *Very gravelly loam | *GC, GC-GM | *A-2-4, A-1-b | 0-1 | 0-8 | 40-51 | 33-47 | 28-43 | 19-31 | 25-30 | 5-10 |
| | 3-12 | *Very gravelly loam, Gravelly loam, gravelly silt loam, very gravelly silt loam | *GC, GC-GM | *A-2-4, A-1-b | 0-3 | 0-9 | 38-58 | 31-53 | 26-49 | 18-35 | 25-30 | 5-10 |
| | 12-26 | *Very gravelly loam, Extremely gravelly loam, very gravelly silt loam | *GM, GP-GM | *A-2-4, A-2-5, A-1-a | 0-3 | 0-13 | 26-43 | 19-36 | 16-33 | 11-24 | 35-45 | 5-10 |
| | 26-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 194: Streek----- | 0-5 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 87-98 | 83-98 | 74-96 | 64-84 | 35-45 | 15-23 |
| | 5-11 | *Silt loam, Loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 81-96 | 79-96 | 71-94 | 61-83 | 35-45 | 15-23 |
| | 11-16 | *Silty clay loam, Clay loam | *CH, CL | *A-7-6, | 0 | 0-6 | 85-96 | 81-96 | 75-96 | 66-90 | 45-55 | 25-33 |
| | 16-45 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 84-98 | 82-98 | 77-98 | 73-98 | 50-75 | 30-50 |
| | 45-60 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 86-98 | 84-98 | 75-98 | 71-98 | 50-75 | 30-50 |
| Cleavage----- | 0-2 | *Loam | *CL-ML, CL, SC-SM | *A-4, | 0-1 | 0-3 | 87-100 | 84-100 | 69-92 | 48-67 | 21-30 | 4-11 |
| | 2-6 | *Loam, Gravelly loam, cobbly loam | *CL-ML, CL, SC-SM | *A-4, A-6 | 0-1 | 0-3 | 78-100 | 75-100 | 61-92 | 43-67 | 21-30 | 4-11 |
| | 6-9 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, | *A-6, A-7-6, A-2-6 | 0-2 | 9-19 | 39-60 | 31-53 | 27-52 | 21-42 | 34-43 | 14-21 |
| | 9-14 | *Very gravelly clay loam, Very gravelly loam, very cobbly loam, extremely gravelly clay loam | *GC, GP-GC | *A-2-6, A-2-7 | 0-8 | 15-35 | 28-52 | 17-45 | 15-44 | 11-35 | 34-43 | 14-21 |
| | 14-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|---------------|-----------------------|-------|-----------------------------------|-------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 195: | | | | | | | | | | | | |
| Streek, moist-- | 0-5 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 87-98 | 83-98 | 74-96 | 64-84 | 35-45 | 15-23 |
| | 5-11 | *Silt loam, Loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 81-96 | 79-96 | 71-94 | 61-83 | 35-45 | 15-23 |
| | 11-16 | *Silty clay loam, Clay loam | *CH, CL | *A-7-6, | 0 | 0-6 | 85-96 | 81-96 | 75-96 | 66-90 | 45-55 | 25-33 |
| | 16-45 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 84-98 | 82-98 | 77-98 | 73-98 | 50-75 | 30-50 |
| | 45-60 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 86-98 | 84-98 | 75-98 | 71-98 | 50-75 | 30-50 |
| Streek----- | 0-5 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 87-98 | 83-98 | 74-96 | 64-84 | 35-45 | 15-23 |
| | 5-11 | *Silt loam, Loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 81-96 | 79-96 | 71-94 | 61-83 | 35-45 | 15-23 |
| | 11-16 | *Silty clay loam, Clay loam | *CL, CH | *A-7-6, | 0 | 0-6 | 85-96 | 81-96 | 75-96 | 66-90 | 45-55 | 25-33 |
| | 16-45 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 84-98 | 82-98 | 77-98 | 73-98 | 50-75 | 30-50 |
| | 45-60 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 86-98 | 84-98 | 75-98 | 71-98 | 50-75 | 30-50 |
| Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| 196: | | | | | | | | | | | | |
| Streek----- | 0-5 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 87-98 | 83-98 | 74-96 | 64-84 | 35-45 | 15-23 |
| | 5-11 | *Silt loam, Loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 81-96 | 79-96 | 71-94 | 61-83 | 35-45 | 15-23 |
| | 11-16 | *Silty clay loam, Clay loam | *CH, CL | *A-7-6, | 0 | 0-6 | 85-96 | 81-96 | 75-96 | 66-90 | 45-55 | 25-33 |
| | 16-45 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 84-98 | 82-98 | 77-98 | 73-98 | 50-75 | 30-50 |
| | 45-60 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 86-98 | 84-98 | 75-98 | 71-98 | 50-75 | 30-50 |
| Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| 197: | | | | | | | | | | | | |
| Streek----- | 0-5 | *Silt loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 87-98 | 83-98 | 74-96 | 64-84 | 35-45 | 15-23 |
| | 5-11 | *Silt loam, Loam | *CL, | *A-6, A-7-6 | 0 | 0-4 | 81-96 | 79-96 | 71-94 | 61-83 | 35-45 | 15-23 |
| | 11-16 | *Silty clay loam, Clay loam | *CH, CL | *A-7-6, | 0 | 0-6 | 85-96 | 81-96 | 75-96 | 66-90 | 45-55 | 25-33 |
| | 16-45 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 84-98 | 82-98 | 77-98 | 73-98 | 50-75 | 30-50 |
| | 45-60 | *Silty clay, Silty clay loam, clay | *CH, | *A-7-6, | 0 | 0-6 | 86-98 | 84-98 | 75-98 | 71-98 | 50-75 | 30-50 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 197: Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| Sagollow----- | 0-4 | *Silt loam | *CL, | *A-6, A-4 | 0-4 | 0-10 | 82-100 | 80-100 | 72-99 | 60-84 | 18-27 | 9-16 |
| | 4-12 | *Silt loam, Loam, gravelly loam | *CL, GC | *A-6, | 0 | 0-36 | 62-91 | 57-89 | 52-89 | 45-80 | 30-40 | 11-18 |
| | 12-22 | *Cobbly silty clay loam, Very cobbly silty clay loam, very gravelly loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0-10 | 19-28 | 58-81 | 52-78 | 51-78 | 45-75 | 35-45 | 15-22 |
| | 22-26 | *Very cobbly silty clay loam, Extremely cobbly clay loam, extremely cobbly silty clay loam | *CL, GC | *A-6, A-2-6, A-7-6 | 0-19 | 42-59 | 37-69 | 31-64 | 29-64 | 25-59 | 35-45 | 15-22 |
| | 26-45 | *Extremely cobbly clay loam, Very cobbly silty clay loam, very cobbly clay loam | *GC, | *A-2-6, A-7-6 | 0-18 | 46-67 | 30-64 | 23-59 | 19-56 | 15-44 | 35-45 | 15-22 |
| | 45-60 | *Extremely cobbly clay loam, Very cobbly silty clay, very cobbly silty clay loam | *GC, | *A-2-7, A-2-6, A-7-6 | 0 | 45-74 | 29-61 | 23-59 | 19-59 | 14-49 | 35-55 | 15-30 |
| 198: Suryon----- | 0-4 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 92-100 | 90-100 | 77-90 | 54-65 | 25-30 | 5-10 |
| | 4-10 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 92-100 | 90-100 | 77-90 | 54-65 | 25-30 | 5-10 |
| | 10-17 | *Loam | *CL, SC-SM | *A-4, | 0 | 0 | 82-100 | 79-100 | 67-90 | 47-65 | 25-30 | 5-10 |
| | 17-29 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-1 | 78-100 | 74-100 | 63-90 | 44-65 | 25-30 | 5-10 |
| | 29-38 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-1 | 78-100 | 74-100 | 63-90 | 44-65 | 25-30 | 5-10 |
| | 38-49 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-8 | 83-93 | 79-91 | 67-82 | 47-58 | 25-30 | 5-10 |
| | 49-60 | *Gravelly loam, Loam | *SC, CL, SC SM | *A-4, | 0 | 5-16 | 77-88 | 73-88 | 62-79 | 43-56 | 25-30 | 5-10 |
| 199: Swan Flat----- | 0-5 | *Silt loam | *CL, | *A-6, A-4 | 0-5 | 5-16 | 87-94 | 87-94 | 79-91 | 66-77 | 28-34 | 9-14 |
| | 5-9 | *Silt loam | *CL, | *A-6, A-4 | 0-5 | 5-16 | 88-94 | 88-94 | 80-91 | 66-77 | 28-34 | 9-14 |
| | 9-15 | *Channery silt loam, Channery sandy loam | *CL-ML, GC-GM, CL | *A-4, | 0-5 | 17-29 | 68-80 | 67-79 | 60-76 | 48-62 | 21-27 | 4-8 |
| | 15-30 | *Very channery silt loam, Very cobbly silt loam, very flaggy silt loam | *CL-ML, CL, GC-GM | *A-4, A-2-4 | 4-9 | 28-40 | 51-69 | 50-68 | 44-65 | 35-53 | 21-27 | 4-8 |
| | 30-56 | *Very channery silt loam, Very cobbly silt loam, very flaggy silt loam | *GC-GM, GC | *A-4, | 4-8 | 30-40 | 52-65 | 51-64 | 45-61 | 36-50 | 21-27 | 4-8 |
| | 56-60 | *Very channery silt loam, Very cobbly silt loam, very flaggy silt loam | *GC-GM, GC | *A-4, | 4-12 | 27-41 | 55-70 | 54-69 | 48-66 | 38-54 | 21-27 | 4-8 |
| Dranburn----- | 0-2 | *Moderately decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 2-11 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 11-17 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 89-98 | 87-98 | 78-94 | 65-79 | 26-32 | 10-15 |
| | 17-28 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-90 | 72-90 | 69-90 | 61-82 | 36-41 | 19-24 |
| | 28-38 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 76-91 | 73-91 | 69-91 | 61-82 | 36-41 | 19-24 |
| | 38-60 | *Silt loam, Gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0 | 75-90 | 71-90 | 64-86 | 53-73 | 27-32 | 9-14 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|---------------|-----------------------|-------|-----------------------------------|--------|--------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 200: Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| 201: Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| Ant Flat----- | 0-2 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-4 | 79-100 | 76-100 | 73-100 | 64-91 | 40-45 | 15-20 |
| | 2-5 | *Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-6 | 68-76 | 64-73 | 62-73 | 55-66 | 40-45 | 15-20 |
| | 5-9 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 62-83 | 56-77 | 40-50 | 15-25 |
| | 9-25 | *Gravelly clay, Silty clay loam, silty clay | *GC, CH | *A-7-6, A-7-5 | 0 | 0 | 66-83 | 62-83 | 49-83 | 42-72 | 55-80 | 30-50 |
| | 25-38 | *Gravelly clay, Gravelly silty clay loam, gravelly clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-17 | 69-78 | 62-75 | 52-72 | 41-59 | 40-50 | 15-25 |
| | 38-60 | *Gravelly clay loam, Gravelly sandy clay loam, clay | *GC, CL | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 55-83 | 42-70 | 40-50 | 15-25 |
| 202: Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|-----------------------|---------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 202: Cloudless----- | 0-4 | *Silt loam | *CL, | *A-4, A-6 | 0 | 0 | 89-100 | 88-100 | 81-95 | 66-78 | 24-27 | 9-12 |
| | 4-8 | *Silt loam | *CL, | *A-4, A-6 | 0 | 0 | 81-100 | 79-100 | 72-95 | 59-78 | 24-27 | 9-12 |
| | 8-14 | *Silt loam, Silty clay loam, gravelly silty clay loam | *CL, | *A-6, | 0 | 0 | 72-90 | 68-90 | 63-90 | 56-80 | 30-37 | 15-21 |
| | 14-32 | *Silty clay loam, Silt loam, gravelly silty clay loam | *CL, | *A-6, | 0 | 0 | 73-90 | 69-90 | 64-90 | 57-82 | 30-37 | 15-21 |
| | 32-60 | *Gravelly silty clay loam, Silty clay loam, silt loam | *CL, | *A-6, | 0 | 0 | 68-82 | 64-82 | 60-82 | 53-74 | 30-37 | 15-21 |
| 203: Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| Dutchcanyon---- | 0-7 | *Gravelly silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 62-75 | 57-72 | 51-69 | 41-56 | 23-28 | 6-9 |
| | 7-13 | *Silt loam, Gravelly silt loam | *CL, GC-GM | *A-4, | 0 | 0 | 64-83 | 59-81 | 53-78 | 43-64 | 25-30 | 7-11 |
| | 13-27 | *Loam, Silt loam, gravelly loam, gravelly silt loam | *CL-ML, SC- SM, CL | *A-4, | 0 | 0 | 71-100 | 68-100 | 58-91 | 41-66 | 23-28 | 6-9 |
| | 27-61 | *Loam, Gravelly loam, silt loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 75-100 | 72-100 | 61-91 | 43-66 | 23-28 | 6-9 |
| 204: Swanpeak----- | 0-6 | *Cobbly loam | *CL, GC | *A-6, | 0-10 | 14-19 | 70-83 | 68-83 | 59-77 | 43-58 | 35-40 | 15-20 |
| | 6-15 | *Silty clay loam, Gravelly clay loam | *CL, | *A-7-6, | 0-9 | 0-9 | 76-85 | 72-85 | 69-85 | 62-78 | 45-50 | 25-30 |
| | 15-18 | *Cobbly silty clay loam, Very gravelly silty clay loam, very cobbly clay loam | *CL, | *A-7-6, | 0-17 | 9-27 | 69-83 | 67-81 | 64-81 | 57-73 | 45-50 | 25-30 |
| | 18-24 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam | *CH, GC | *A-7-6, A-2-7 | 0-8 | 31-43 | 53-72 | 47-70 | 40-70 | 32-62 | 50-70 | 28-45 |
| | 24-35 | *Very cobbly clay, Very stony clay loam, very cobbly silty clay loam, extremely stony silty clay | *CH, GC | *A-7-6, A-2-7 | 0-16 | 31-43 | 50-72 | 43-70 | 37-70 | 30-62 | 50-70 | 28-45 |
| | 35-60 | *Extremely cobbly clay, Extremely stony clay loam, extremely stony silty clay | *GC, CH | *A-7-6, A-2-7 | 13-24 | 37-54 | 39-59 | 30-59 | 26-59 | 21-53 | 50-70 | 28-45 |
| Dutchcanyon---- | 0-7 | *Gravelly silt loam | *CL-ML, CL | *A-4, | 0 | 0 | 62-75 | 57-72 | 51-69 | 41-56 | 23-28 | 6-9 |
| | 7-13 | *Silt loam, Gravelly silt loam | *CL, GC-GM | *A-4, | 0 | 0 | 64-83 | 59-81 | 53-78 | 43-64 | 25-30 | 7-11 |
| | 13-27 | *Loam, Silt loam, gravelly loam, gravelly silt loam | *CL-ML, SC- SM, CL | *A-4, | 0 | 0 | 71-100 | 68-100 | 58-91 | 41-66 | 23-28 | 6-9 |
| | 27-61 | *Loam, Gravelly loam, silt loam | *CL-ML, CL, SC-SM | *A-4, | 0 | 0 | 75-100 | 72-100 | 61-91 | 43-66 | 23-28 | 6-9 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|------------------|-----------------------|------|-----------------------------------|--------|--------|--------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 204: Ant Flat----- | 0-2 | *Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-4 | 79-100 | 76-100 | 73-100 | 64-91 | 40-45 | 15-20 |
| | 2-5 | *Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-6 | 68-76 | 64-73 | 62-73 | 55-66 | 40-45 | 15-20 |
| | 5-9 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 62-83 | 56-77 | 40-50 | 15-25 |
| | 9-25 | *Gravelly clay, Silty clay loam, silty clay | *GC, CH | *A-7-6, A-7-5 | 0 | 0 | 66-83 | 62-83 | 49-83 | 42-72 | 55-80 | 30-50 |
| | 25-38 | *Gravelly clay, Gravelly silty clay loam, gravelly clay loam | *CL, GC | *A-7-6, A-6 | 0 | 0-17 | 69-78 | 62-75 | 52-72 | 41-59 | 40-50 | 15-25 |
| | 38-60 | *Gravelly clay loam, Gravelly sandy clay loam, clay | *GC, CL | *A-7-6, A-6 | 0 | 0-14 | 69-83 | 66-83 | 55-83 | 42-70 | 40-50 | 15-25 |
| 205: Thatcher----- | 0-10 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 86-100 | 80-97 | 25-35 | 5-10 |
| | 10-19 | *Silty clay loam, Clay loam, silt loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 89-100 | 83-100 | 80-99 | 25-35 | 10-15 |
| | 19-28 | *Silty clay loam, Clay loam, silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 91-100 | 89-100 | 84-100 | 80-100 | 25-35 | 5-15 |
| | 28-42 | *Silty clay loam, Silt loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 78-100 | 75-100 | 25-35 | 5-15 |
| | 42-60 | *Silt loam, Silty clay loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 77-100 | 73-100 | 25-35 | 5-15 |
| 206: Thatcher, dry-- | 0-10 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 86-100 | 80-97 | 25-35 | 5-10 |
| | 10-19 | *Silty clay loam, Clay loam, silt loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 89-100 | 83-100 | 80-99 | 25-35 | 10-15 |
| | 19-28 | *Silty clay loam, Clay loam, silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 91-100 | 89-100 | 84-100 | 80-100 | 25-35 | 5-15 |
| | 28-42 | *Silty clay loam, Silt loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 78-100 | 75-100 | 25-35 | 5-15 |
| | 42-60 | *Silt loam, Silty clay loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 77-100 | 73-100 | 25-35 | 5-15 |
| 207: Thatcher----- | 0-10 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 86-100 | 80-97 | 25-35 | 5-10 |
| | 10-19 | *Silty clay loam, Clay loam, silt loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 89-100 | 83-100 | 80-99 | 25-35 | 10-15 |
| | 19-28 | *Silty clay loam, Clay loam, silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 91-100 | 89-100 | 84-100 | 80-100 | 25-35 | 5-15 |
| | 28-42 | *Silty clay loam, Silt loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 78-100 | 75-100 | 25-35 | 5-15 |
| | 42-60 | *Silt loam, Silty clay loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 77-100 | 73-100 | 25-35 | 5-15 |
| Church Springs- | 0-2 | *Silt loam | *CL, | *A-6, | 0 | 0 | 88-100 | 88-100 | 84-100 | 78-95 | 31-40 | 11-15 |
| | 2-11 | *Silt loam | *CL, | *A-6, | 0 | 0 | 89-100 | 89-100 | 86-100 | 80-95 | 29-38 | 11-14 |
| | 11-21 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 90-100 | 90-100 | 87-100 | 83-99 | 36-42 | 18-22 |
| | 21-30 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 91-100 | 91-100 | 87-100 | 84-99 | 35-42 | 18-22 |
| | 30-60 | *Silt loam, Loam, silty clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 91-100 | 85-100 | 81-100 | 27-35 | 10-16 |
| 208: Thatcher----- | 0-10 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 86-100 | 80-97 | 25-35 | 5-10 |
| | 10-19 | *Silty clay loam, Clay loam, silt loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 89-100 | 83-100 | 80-99 | 25-35 | 10-15 |
| | 19-28 | *Silty clay loam, Clay loam, silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 91-100 | 89-100 | 84-100 | 80-100 | 25-35 | 5-15 |
| | 28-42 | *Silty clay loam, Silt loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 78-100 | 75-100 | 25-35 | 5-15 |
| | 42-60 | *Silt loam, Silty clay loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 77-100 | 73-100 | 25-35 | 5-15 |
| Clegg----- | 0-8 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 82-100 | 80-100 | 73-97 | 61-82 | 30-40 | 10-15 |
| | 8-22 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 22-28 | *Silty clay loam, Clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 84-100 | 82-100 | 79-100 | 70-91 | 35-45 | 15-25 |
| | 28-32 | *Gravelly clay loam, Clay loam, gravelly loam | *CL, SC | *A-6, A-7-6, A-4 | 0 | 0 | 77-91 | 74-91 | 61-85 | 46-68 | 30-45 | 10-20 |
| | 32-60 | *Gravelly loam, Gravelly clay loam, clay loam | *GC, CL | *A-6, A-4, A-7-6 | 0 | 0-9 | 69-82 | 65-82 | 55-79 | 41-61 | 30-45 | 10-20 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|--|----------------|-------------|--------------------------|-------|--------------------------------------|--------|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 209: Thatcher----- | 0-10 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 93-100 | 91-100 | 86-100 | 80-97 | 25-35 | 5-10 |
| | 10-19 | *Silty clay loam, Silt loam, clay loam | *CL, | *A-6, A-4 | 0 | 0 | 91-100 | 89-100 | 83-100 | 80-99 | 25-35 | 10-15 |
| | 19-28 | *Silty clay loam, Clay loam, silt loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 91-100 | 89-100 | 84-100 | 80-100 | 25-35 | 5-15 |
| | 28-42 | *Silty clay loam, Silt loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 78-100 | 75-100 | 25-35 | 5-15 |
| | 42-60 | *Silt loam, Silty clay loam, loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 86-100 | 83-100 | 77-100 | 73-100 | 25-35 | 5-15 |
| Joes----- | 0-7 | *Silt loam | *ML, CL | *A-4, A-6 | 0 | 0 | 100 | 100 | 95-100 | 91-100 | 30-40 | 5-15 |
| | 7-12 | *Silty clay loam | *ML, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 85-97 | 35-45 | 10-15 |
| | 12-20 | *Silty clay loam | *ML, | *A-6, A-4 | 0 | 0 | 100 | 100 | 90-100 | 85-97 | 35-45 | 10-15 |
| | 20-50 | *Silt loam, loam, very fine sandy loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 100 | 100 | 94-100 | 87-97 | 25-35 | 5-15 |
| | 50-60 | *Silt loam, loam, very fine sandy loam | *CL, CL-ML | *A-4, A-6 | 0 | 0 | 90-100 | 88-100 | 83-100 | 77-97 | 25-35 | 5-15 |
| 210: Thatcherflats--- | 0-2 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 90-100 | 85-95 | 25-35 | 5-10 |
| | 2-5 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 90-100 | 85-95 | 25-35 | 5-10 |
| | 5-9 | *Silty clay, Silty clay loam | *CL, CH | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 85-100 | 80-97 | 35-60 | 15-30 |
| | 9-11 | *Silt loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 100 | 90-95 | 40-50 | 20-30 |
| | 11-25 | *Silt loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 100 | 100 | 100 | 90-95 | 40-50 | 20-30 |
| | 25-45 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-15 |
| | 45-56 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-15 |
| | 56-60 | *Silt loam | *CL, | *A-6, A-4 | 0 | 0 | 100 | 100 | 100 | 95-100 | 30-40 | 10-15 |
| 211: Thomasfork---- | 0-2 | *Silty clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 45-55 | 20-30 |
| | 2-10 | *Silty clay loam | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 95-100 | 45-55 | 20-30 |
| | 10-16 | *Silty clay loam, Silty clay, clay | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 90-100 | 45-60 | 20-35 |
| | 16-21 | *Silty clay loam, Silty clay, clay | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 90-100 | 45-60 | 20-35 |
| | 21-28 | *Silty clay loam, Silty clay, clay | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 90-100 | 45-70 | 20-40 |
| | 28-35 | *Silty clay loam, Silty clay, clay | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 90-100 | 45-70 | 20-40 |
| | 35-48 | *Silty clay, Silty clay loam, clay | *CH, CL | *A-7-6, | 0 | 0 | 100 | 100 | 100 | 90-100 | 45-70 | 20-40 |
| | 48-60 | *Very fine sandy loam, Gravelly silt loam | *SC, CL, SC SM | *A-4, | 0 | 0 | 79-100 | 73-100 | 70-100 | 40-61 | 25-30 | 5-10 |
| 212: Toponce----- | 0-3 | *Silt loam | *ML, | *A-6, A-4 | 0 | 0-2 | 90-100 | 88-100 | 76-94 | 62-78 | 31-43 | 7-13 |
| | 3-20 | *Silty clay, Clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 79-100 | 76-100 | 46-68 | 25-40 |
| | 20-24 | *Silty clay, Clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 79-100 | 76-100 | 46-66 | 25-40 |
| | 24-36 | *Clay, Silty clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 77-100 | 68-97 | 46-66 | 25-40 |
| | 36-60 | *Clay, Silty clay, silty clay loam | *CH, CL | *A-7-6, | 0-1 | 0-1 | 91-100 | 89-100 | 77-100 | 68-97 | 46-66 | 25-40 |
| Bailcreek----- | 0-1 | *Slightly decomposed plant material | *PT, | *A-8, | 0 | 0 | 100 | 100 | 60-100 | 50-90 | — | — |
| | 1-6 | *Stony loam | *CL, | *A-6, A-4 | 19-35 | 0-10 | 75-95 | 70-90 | 60-85 | 50-70 | 28-36 | 10-17 |
| | 6-14 | *Very cobbly loam, Cobbly loam | *SC, CL, GC | *A-6, A-2-4 | 0 | 18-40 | 62-89 | 57-89 | 48-83 | 35-61 | 28-36 | 10-17 |
| | 14-19 | *Very cobbly silty clay, Very cobbly silty clay loam | *CH, GC | *A-7-6, | 0-9 | 32-44 | 60-85 | 55-80 | 45-75 | 40-70 | 45-55 | 25-35 |
| | 19-32 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| | 32-43 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |
| | 43-60 | *Very cobbly clay, Very cobbly silty clay | *CH, GC | *A-7-6, | 0-8 | 31-54 | 55-85 | 50-80 | 45-75 | 40-70 | 50-70 | 28-45 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|--|----------------|--------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 213: Tubbs Hollow--- | 0-3 | *Gravelly loam | *SC, GC-GM | *A-4, A-2-4, A-6 | 0 | 0-9 | 60-85 | 54-81 | 45-73 | 31-53 | 25-37 | 6-12 |
| | 3-12 | *Gravelly loam, Very gravelly loam, very gravelly sandy loam | *GC, GC-GM | *A-4, A-1-b, A-6 | 0 | 0-9 | 50-66 | 43-61 | 35-55 | 24-40 | 21-33 | 4-12 |
| | 12-25 | *Extremely cobbly loam, Extremely cobbly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-6 | 8-16 | 48-72 | 45-74 | 36-69 | 29-62 | 20-45 | 18-31 | 4-12 |
| | 25-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Dry Canyon, dry | 0-3 | *Loam | *CL, | *A-6, A-4 | 0 | 0-5 | 87-100 | 84-100 | 72-92 | 51-68 | 25-32 | 8-13 |
| | 3-10 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 81-90 | 79-90 | 71-90 | 61-81 | 28-39 | 9-18 |
| | 10-18 | *Silt loam, Loam, silty clay loam, clay loam, gravelly silt loam | *CL, | *A-6, A-4 | 0 | 0-10 | 82-91 | 79-91 | 71-91 | 62-81 | 28-39 | 9-18 |
| | 18-25 | *Gravelly silty clay loam, Gravelly clay loam, gravelly silt loam | *CL, GC | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 54-75 | 48-71 | 33-44 | 13-22 |
| | 25-38 | *Gravelly clay loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-7-6 | 0-2 | 0-2 | 62-78 | 57-75 | 48-72 | 37-58 | 33-44 | 13-22 |
| | 38-48 | *Gravelly loam, Gravelly silt loam, gravelly clay loam, gravelly silty clay loam | *CL, GC | *A-6, A-7-6 | 0-4 | 0-4 | 70-78 | 66-75 | 58-75 | 43-58 | 33-44 | 13-22 |
| | 48-53 | *Loam, Silt loam, gravelly loam | *CL, | *A-6, A-4 | 0-6 | 0-6 | 84-91 | 83-91 | 70-83 | 50-61 | 26-32 | 8-13 |
| | 53-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 214: Vicking----- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |
| 215: Vicking----- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |
| 216: Vicking----- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 217: Vicking, dry--- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |
| 218: Vicking, dry--- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |
| 219: Vicking----- | 0-8 | *Silt loam | *CL, ML | *A-6, A-4, A-7-6 | 0 | 0-2 | 85-96 | 80-96 | 71-94 | 59-79 | 29-42 | 9-16 |
| | 8-18 | *Gravelly silty clay loam, Silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 68-82 | 60-79 | 57-79 | 51-73 | 36-47 | 18-24 |
| | 18-31 | *Silty clay loam, Gravelly silty clay loam | *CL, | *A-7-6, A-6 | 0 | 0-3 | 73-89 | 67-87 | 64-87 | 57-81 | 36-47 | 18-24 |
| | 31-43 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-3 | 73-93 | 68-91 | 61-89 | 51-75 | 27-37 | 12-18 |
| | 43-60 | *Silt loam, Gravelly silt loam, gravelly loam | *CL, | *A-6, | 0 | 0-4 | 72-92 | 66-90 | 60-88 | 50-75 | 27-37 | 12-18 |
| Cokeville----- | 0-2 | *Gravelly loam | *GC-GM, GC | *A-4, | 0 | 0-10 | 67-76 | 63-72 | 53-67 | 38-49 | 25-30 | 5-10 |
| | 2-5 | *Gravelly silt loam, Gravelly loam | *CL-ML, GC-GM, CL | *A-4, | 0 | 0-8 | 68-77 | 64-74 | 57-72 | 47-60 | 25-30 | 5-10 |
| | 5-9 | *Gravelly clay loam, Gravelly silty clay loam | *CL, GC | *A-6, | 0 | 0 | 57-77 | 53-74 | 46-70 | 36-55 | 35-40 | 15-20 |
| | 9-15 | *Gravelly loam, Gravelly silt loam, gravelly silty clay loam | *GC, CL | *A-6, A-2-6 | 0 | 0 | 52-71 | 48-66 | 39-66 | 29-51 | 25-40 | 15-20 |
| | 15-31 | *Gravelly silt loam, Gravelly silty clay loam, gravelly loam | *CL, GC | *A-6, | 0 | 0 | 52-71 | 48-66 | 42-66 | 37-62 | 25-40 | 15-20 |
| | 31-43 | *Gravelly silty clay loam, Gravelly silt loam, gravelly loam | *GC, CL | *A-6, | 0 | 0 | 52-71 | 48-66 | 43-66 | 38-64 | 25-40 | 15-20 |
| | 43-56 | *Silty clay loam, Clay loam | *CL, | *A-7-6, A-6 | 0 | 0 | 84-100 | 82-100 | 76-99 | 67-88 | 40-45 | 20-25 |
| | 56-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 220: Vipont----- | 0-4 | *Very stony loam | *GC, ML | *A-6, A-2-4, A-7-6 | 33-46 | 18-33 | 60-87 | 54-87 | 46-80 | 33-59 | 29-41 | 9-15 |
| | 4-7 | *Cobbly clay loam, Very cobbly clay loam | *CL, GC, CH | *A-7-6, A-6 | 0-9 | 23-32 | 68-82 | 64-80 | 55-77 | 43-61 | 36-50 | 16-24 |
| | 7-14 | *Very cobbly sandy clay loam, Very cobbly clay loam, extremely cobbly sandy clay loam, extremely cobbly clay loam | *SC, GC | *A-2-7, A-7-6, A-2-6 | 0-10 | 39-56 | 56-73 | 51-71 | 42-66 | 24-41 | 36-50 | 16-24 |
| | 14-21 | *Extremely cobbly sandy clay loam, Extremely cobbly clay loam, very cobbly sandy clay loam, very cobbly clay loam | *GC, | *A-2-7, A-2-6, A-7-6 | 14-20 | 51-70 | 52-73 | 45-70 | 37-65 | 21-40 | 36-50 | 16-24 |
| | 21-60 | *Bedrock | | | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|--------------------------|-------|---|-------------------|----------------------|-----------------------|-------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 220: Dipcreek----- | 0-4 | *Gravelly loam | *SC-SM, GC-GM, SC | *A-4, | 1-5 | 0-9 | 68-79 | 65-75 | 55-68 | 38-48 | 20-25 | 4-8 |
| | 4-9 | *Very cobbly loam, Extremely cobbly sandy loam | *SC-SM, SC, GC-GM | *A-4, A-2-4 | 1-5 | 44-65 | 52-79 | 47-76 | 39-69 | 27-50 | 20-30 | 4-8 |
| | 9-18 | *Extremely cobbly loam, Extremely gravelly sandy loam | *GC, GC-GM | *A-2-4, A-1-b, A-4 | 1-2 | 70-82 | 46-73 | 41-70 | 35-63 | 24-46 | 25-30 | 5-10 |
| | 18-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 221: Vipont----- | 0-4 | *Very stony loam | *GC, ML | *A-6, A-2-4, A-7-6 | 33-46 | 18-33 | 60-87 | 54-87 | 46-80 | 33-59 | 29-41 | 9-15 |
| | 4-7 | *Cobbly clay loam, Very cobbly clay loam | *CL, GC, CH | *A-7-6, A-6 | 0-9 | 23-32 | 68-82 | 64-80 | 55-77 | 43-61 | 36-50 | 16-24 |
| | 7-14 | *Very cobbly sandy clay loam, Very cobbly clay loam, extremely cobbly sandy clay loam, extremely cobbly clay loam | *SC, GC | *A-2-7, A-7-6, A-2-6 | 0-10 | 39-56 | 56-73 | 51-71 | 42-66 | 24-41 | 36-50 | 16-24 |
| | 14-21 | *Extremely cobbly sandy clay loam, Extremely cobbly clay loam, very cobbly sandy clay loam, very cobbly clay loam | *GC, | *A-2-7, A-2-6, A-7-6 | 14-20 | 51-70 | 52-73 | 45-70 | 37-65 | 21-40 | 36-50 | 16-24 |
| | 21-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Prucree----- | 0-2 | *Sandy loam | *SM, | *A-2-4, A-4 | 0 | 0 | 84-100 | 83-100 | 62-79 | 31-42 | 25-30 | NP-5 |
| | 2-10 | *Sandy loam, Loam | *SM, | *A-2-4, A-4 | 0 | 0 | 84-100 | 83-100 | 62-79 | 31-42 | 25-30 | NP-5 |
| | 10-19 | *Sandy loam, Loam, gravelly loam | *SM, | *A-4, A-1-b | 0 | 0 | 69-93 | 65-93 | 48-74 | 24-39 | 25-30 | NP-5 |
| | 19-28 | *Sandy loam, Loam, gravelly loam | *SM, | *A-4, A-1-b | 0 | 0 | 70-93 | 65-93 | 49-74 | 24-39 | 25-30 | NP-5 |
| | 28-29 | *Bedrock | | | — | — | — | — | — | — | — | — |
| | 29-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 222: Vipont----- | 0-4 | *Very stony loam | *GC, ML | *A-6, A-2-4, A-7-6 | 33-46 | 18-33 | 60-87 | 54-87 | 46-80 | 33-59 | 29-41 | 9-15 |
| | 4-7 | *Cobbly clay loam, Very cobbly clay loam | *CL, GC, CH | *A-7-6, A-6 | 0-9 | 23-32 | 68-82 | 64-80 | 55-77 | 43-61 | 36-50 | 16-24 |
| | 7-14 | *Very cobbly sandy clay loam, Very cobbly clay loam, extremely cobbly sandy clay loam, extremely cobbly clay loam | *SC, GC | *A-2-7, A-7-6, A-2-6 | 0-10 | 39-56 | 56-73 | 51-71 | 42-66 | 24-41 | 36-50 | 16-24 |
| | 14-21 | *Extremely cobbly sandy clay loam, Extremely cobbly clay loam, very cobbly sandy clay loam, very cobbly clay loam | *GC, | *A-2-7, A-2-6, A-7-6 | 14-20 | 51-70 | 52-73 | 45-70 | 37-65 | 21-40 | 36-50 | 16-24 |
| | 21-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Suryon----- | 0-4 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 92-100 | 90-100 | 77-90 | 54-65 | 25-30 | 5-10 |
| | 4-10 | *Loam | *CL, CL-ML | *A-4, | 0 | 0 | 92-100 | 90-100 | 77-90 | 54-65 | 25-30 | 5-10 |
| | 10-17 | *Loam | *CL, SC-SM | *A-4, | 0 | 0 | 82-100 | 79-100 | 67-90 | 47-65 | 25-30 | 5-10 |
| | 17-29 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-1 | 78-100 | 74-100 | 63-90 | 44-65 | 25-30 | 5-10 |
| | 29-38 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-1 | 78-100 | 74-100 | 63-90 | 44-65 | 25-30 | 5-10 |
| | 38-49 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-8 | 83-93 | 79-91 | 67-82 | 47-58 | 25-30 | 5-10 |
| | 49-60 | *Gravelly loam, Loam | *SC, CL, SC-SM | *A-4, | 0 | 5-16 | 77-88 | 73-88 | 62-79 | 43-56 | 25-30 | 5-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plasticity index |
|---------------------------------|-------|--|----------------|----------------------|-----------------------|------|-----------------------------------|--------|-------|-------|--------------|------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 223: Warshod----- | 0-3 | *Gravelly loam | *SM, GC-GM | *A-4, A-2-4, A-6 | 0 | 0-2 | 65-76 | 60-72 | 50-66 | 35-48 | 27-40 | 6-12 |
| | 3-9 | *Gravelly loam, Very gravelly loam | *GC, GC-GM, GM | *A-4, A-1-b, A-6 | 0 | 0-2 | 50-70 | 42-64 | 35-59 | 25-43 | 25-37 | 6-12 |
| | 9-18 | *Very gravelly loam, Gravelly loam | *GC, GC-GM | *A-2-4, A-1-b, A-6 | 0 | 0-3 | 52-60 | 42-57 | 34-53 | 24-38 | 21-35 | 4-12 |
| | 18-37 | *Very gravelly very fine sandy loam, Very gravelly fine sandy loam, very gravelly loam | *GC, GC-GM | *A-2-4, A-1-a, A-2-6 | 0 | 5-18 | 40-54 | 28-46 | 27-46 | 15-29 | 20-33 | 4-12 |
| | 37-46 | *Very gravelly fine sandy loam, Very gravelly very fine sandy loam, very gravelly loam | *GC, GW-GC | *A-2-4, A-2-6, A-1-a | 0 | 9-18 | 42-53 | 30-46 | 26-45 | 10-20 | 20-33 | 4-12 |
| | 46-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Slan----- | 0-2 | *Very gravelly loam | *GC-GM, GC | *A-2-4, A-1-b | 0 | 0 | 39-53 | 32-46 | 27-42 | 19-30 | 20-25 | 5-10 |
| | 2-5 | *Gravelly fine sandy loam, Gravelly loam | *SC-SM, SC | *A-2-4 | 0 | 0 | 70-77 | 66-74 | 58-73 | 23-35 | 20-30 | 5-10 |
| | 5-18 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-2-4 | 0 | 0 | 58-77 | 53-74 | 45-71 | 33-54 | 25-35 | 10-20 |
| | 18-25 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-2-4 | 0 | 0 | 58-77 | 53-74 | 45-71 | 33-54 | 25-35 | 10-20 |
| | 25-32 | *Fine sandy loam, Loam | *SC-SM, SC | *A-4, A-2-4 | 0 | 0 | 86-100 | 82-100 | 73-97 | 30-44 | 20-25 | 5-10 |
| | 32-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 224: Warshod, dry--- | 0-3 | *Gravelly loam | *SM, GC-GM | *A-4, A-2-4, A-6 | 0 | 0-2 | 65-76 | 60-72 | 50-66 | 35-48 | 27-40 | 6-12 |
| | 3-9 | *Gravelly loam, Very gravelly loam | *GC, GC-GM, GM | *A-4, A-1-b, A-6 | 0 | 0-2 | 50-70 | 42-64 | 35-59 | 25-43 | 25-37 | 6-12 |
| | 9-18 | *Very gravelly loam, Gravelly loam | *GC, GC-GM | *A-2-4, A-1-b, A-6 | 0 | 0-3 | 52-60 | 42-57 | 34-53 | 24-38 | 21-35 | 4-12 |
| | 18-37 | *Very gravelly very fine sandy loam, Very gravelly fine sandy loam, very gravelly loam | *GC, GC-GM | *A-2-4, A-1-a, A-2-6 | 0 | 5-18 | 40-54 | 28-46 | 27-46 | 15-29 | 20-33 | 4-12 |
| | 37-46 | *Very gravelly fine sandy loam, Very gravelly very fine sandy loam, very gravelly loam | *GC, GW-GC | *A-2-4, A-2-6, A-1-a | 0 | 9-18 | 42-53 | 30-46 | 26-45 | 10-20 | 20-33 | 4-12 |
| | 46-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| Slan, dry----- | 0-2 | *Very gravelly loam | *GC-GM, GC | *A-2-4, A-1-b | 0 | 0 | 39-53 | 32-46 | 27-42 | 19-30 | 20-25 | 5-10 |
| | 2-5 | *Gravelly fine sandy loam, Gravelly loam | *SC-SM, SC | *A-2-4 | 0 | 0 | 70-77 | 66-74 | 58-73 | 23-35 | 20-30 | 5-10 |
| | 5-18 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-2-4 | 0 | 0 | 58-77 | 53-74 | 45-71 | 33-54 | 25-35 | 10-20 |
| | 18-25 | *Gravelly loam, Gravelly clay loam | *CL, GC | *A-6, A-2-4 | 0 | 0 | 58-77 | 53-74 | 45-71 | 33-54 | 25-35 | 10-20 |
| | 25-32 | *Fine sandy loam, Loam | *SC-SM, SC | *A-4, A-2-4 | 0 | 0 | 86-100 | 82-100 | 73-97 | 30-44 | 20-25 | 5-10 |
| | 32-60 | *Bedrock | | | — | — | — | — | — | — | — | — |
| 225: Water. | | | | | | | | | | | | |
| 226: Water, miscellaneous. | | | | | | | | | | | | |
| 227: Watkins Ridge, dry----- | 0-8 | *Gravelly silt loam | *GC, ML | *A-6, A-4 | 0 | 0-10 | 61-74 | 56-72 | 51-69 | 41-57 | 29-39 | 9-13 |
| | 8-14 | *Gravelly silt loam | *GC, ML | *A-6, A-4 | 0 | 0-10 | 61-74 | 56-72 | 51-69 | 41-57 | 29-39 | 9-13 |
| | 14-26 | *Silt loam, Silty clay loam, clay loam, gravelly loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 76-90 | 72-90 | 64-90 | 56-81 | 29-43 | 12-21 |
| | 26-45 | *Silt loam, Loam, clay loam, gravelly loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 76-90 | 72-90 | 65-90 | 56-81 | 29-43 | 12-21 |
| | 45-60 | *Silt loam, Loam, clay loam, gravelly loam | *CL, | *A-6, A-7-6 | 0 | 0-9 | 76-90 | 72-90 | 65-90 | 56-81 | 29-43 | 12-21 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|--|-----------------|---------------|--------------------------|------|--------------------------------------|--------|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 228: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 229: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 230: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 231: Wursten, dry--- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| 232: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| Bearhollow---- | 0-6 | *Gravelly loam | *SC, SC-SM | *A-4, A-2-4 | 0 | 0 | 70-80 | 48-74 | 41-66 | 29-48 | 25-30 | 5-10 |
| | 6-11 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC, SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 11-20 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC, SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 20-24 | *Loam, Gravelly loam, gravelly silt loam | *SC, CL, SC, SM | *A-4, | 0 | 0 | 92-100 | 66-100 | 56-91 | 39-66 | 25-30 | 5-10 |
| | 24-33 | *Fine sandy loam, Sandy loam | *SC-SM, SM, SC | *A-4, A-2-4 | 0 | 0 | 93-100 | 77-100 | 66-97 | 29-48 | 20-30 | NP-10 |
| | 33-44 | *Loamy fine sand, Sandy loam | *SC-SM, SC, SM | *A-2-4, A-4 | 0 | 0 | 100 | 88-100 | 81-98 | 29-39 | 0-25 | NP-10 |
| | 44-62 | *Silty clay loam | *CL, | *A-6, A-7-6 | 0 | 0 | 100 | 89-100 | 85-100 | 75-92 | 35-45 | 15-25 |
| 233: Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Engineering Soil Properties--Continued

| Map symbol and soil name | Depth | USDA texture | Classification | | Fragments (in inches) | | Percentage passing sieve number-- | | | | Liquid limit | Plas- ticity index |
|--------------------------------|-------|--|-------------------|---------------|--------------------------|------|--------------------------------------|-------|--------|--------|-----------------|--------------------------|
| | | | Unified | AASHTO | >10 | 3-10 | 4 | 10 | 40 | 200 | | |
| | In | | | | Pct | Pct | | | | | Pct | |
| 234: | | | | | | | | | | | | |
| Wursten----- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| Rexburg----- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| 235: | | | | | | | | | | | | |
| Wursten, dry--- | 0-3 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 25-33 | 6-9 |
| | 3-8 | *Silt loam | *CL-ML, ML | *A-4, | 0 | 0-2 | 85-96 | 81-96 | 72-92 | 58-75 | 24-33 | 5-9 |
| | 8-31 | *Loam, Gravelly loam | *CL, SC-SM | *A-4, | 0 | 0-3 | 77-88 | 70-88 | 59-80 | 42-58 | 22-32 | 6-10 |
| | 31-44 | *Gravelly loam, Gravelly sandy loam | *SC-SM, GC, GM | *A-4, A-2-4 | 0 | 0-9 | 64-78 | 56-75 | 47-69 | 32-50 | 18-27 | 3-9 |
| | 44-60 | *Gravelly sandy loam, Gravelly loam | *SC-SM, SM, SC | *A-1-b, A-2-4 | 0 | 0-9 | 62-78 | 55-75 | 39-60 | 18-31 | 18-27 | 3-9 |
| Rexburg, dry--- | 0-7 | *Silt loam | *CL, CL-ML, ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 7-13 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 13-25 | *Silt loam | *CL, ML, CL-ML | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | 5-10 |
| | 25-31 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 31-47 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |
| | 47-60 | *Silt loam, Silt | *ML, | *A-4, | 0 | 0 | 100 | 100 | 95-100 | 80-100 | 25-35 | NP-10 |

Soil Survey of Bear Lake County Area, Idaho

Freeze Dates in Spring and Fall

(Recorded in the period 1961 through 1990 at Montpelier Ranger Station, ID6053)

| Probability | Temperature | | |
|--|--------------------------|--------------------------|--------------------------|
| | 24 degrees F or lower | 28 degrees F or lower | 32 degrees F or lower |
| Last freezing temperature in spring: January-July | | | |
| 1 year in 10 later than----- | May 23 | June 19 | June 30 |
| 2 years in 10 later than---- | May 18 | June 11 | June 24 |
| 5 years in 10 later than---- | May 8 | May 27 | June 13 |
| First freezing temperature in fall: August-December | | | |
| 1 year in 10 earlier than--- | September 13 | August 26 | August 15 |
| 2 years in 10 earlier than-- | September 18 | September 2 | August 21 |
| 5 years in 10 earlier than-- | September 27 | September 15 | September 3 |

Soil Survey of Bear Lake County Area, Idaho

Growing Season

(Recorded in the period 1961 through 1990 at Montpelier Ranger Station, ID6053)

| Probability | Daily minimum temperature | | |
|--------------------|-----------------------------|-----------------------------|-----------------------------|
| | Higher than 24 degrees F | Higher than 28 degrees F | Higher than 32 degrees F |
| | <i>Days</i> | <i>Days</i> | <i>Days</i> |
| 9 years in 10----- | 122 | 83 | 60 |
| 8 years in 10----- | 128 | 93 | 69 |
| 5 years in 10----- | 141 | 112 | 85 |
| 2 years in 10----- | 153 | 131 | 101 |
| 1 year in 10----- | 160 | 141 | 110 |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 1: Ant Flat----- | 3c | 3c |
| 2: Ant Flat----- | 3e | 4e |
| 3: Ant Flat----- | 4e | — |
| 4: Arbone----- | 3c | 3e |
| 5: Arbone----- | 4e | 6e |
| 6: Arbone, dry----- | 6e | — |
| 7: Arbone----- | 3c | 3e |
| Wursten----- | 3c | 3c |
| 8: Arbone----- | 4e | 4e |
| Wursten----- | 3e | 4e |
| 9: Arbone, dry----- | 4e | — |
| Wursten, dry----- | 3e | — |
| 10: Bailcreek----- | 7e | — |
| Dranburn----- | 7e | — |
| 11: Bailcreek----- | 4e | — |
| Toponce----- | 4e | — |
| 12: Bancroft----- | 3c | 3e |
| 13: Bancroft----- | 4e | 6e |
| 14: Bancroft----- | 6e | — |
| 15: Bear Lake----- | 4w | 4w |
| Bear Lake, ponded----- | 5w | — |
| 16: Bear Lake----- | 4w | 4w |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 16: | | |
| Chesbrook----- | 4w | 4w |
| La Roco----- | 3w | 3w |
| 17: | | |
| Bear Lake----- | 4w | 4w |
| Lago----- | 3c | 3c |
| 18: | | |
| Bearbou----- | 4w | 4w |
| 19: | | |
| Bearhollow----- | 3e | --- |
| Brifox----- | 3e | --- |
| Iphil----- | 4e | --- |
| 20: | | |
| Bearhollow----- | 6e | --- |
| Brifox----- | 6e | --- |
| Iphil----- | 6e | --- |
| 21: | | |
| Benning----- | 3c | 3c |
| 22: | | |
| Bern----- | 3c | 3c |
| 23: | | |
| Bezzant----- | 4e | 6e |
| 24: | | |
| Bezzant----- | 6e | --- |
| Swanpeak----- | 3e | --- |
| 25: | | |
| Bischoff----- | 7e | --- |
| Hagenbarth----- | 7e | --- |
| 26: | | |
| Bloomington----- | 5w | --- |
| 27: | | |
| Boundridge----- | 6e | --- |
| Sweetcreek----- | 6e | --- |
| 28: | | |
| Boyd hollow----- | 7e | --- |
| Slan----- | 8e | --- |
| Cokeville----- | 6e | --- |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 29: | | |
| Brifox----- | 3e | --- |
| Lizdale----- | 3e | --- |
| 30: | | |
| Brifox----- | 3e | --- |
| Niter----- | 3e | --- |
| 31: | | |
| Brifox----- | 4e | --- |
| Niter----- | 4e | --- |
| 32: | | |
| Broadhead----- | 3c | 3c |
| 33: | | |
| Broadhead----- | 3e | 4e |
| 34: | | |
| Broadhead----- | 6e | --- |
| Hades----- | 6e | --- |
| Swanpeak----- | 6e | --- |
| 35: | | |
| Buist----- | 3c | 3e |
| 36: | | |
| Buist----- | 3e | 4e |
| 37: | | |
| Buist, dry----- | 3e | --- |
| 38: | | |
| Buist----- | 3c | 3e |
| 39: | | |
| Buist----- | 3c | 3e |
| Arbone----- | 3c | 3e |
| 40: | | |
| Burchert----- | 7e | --- |
| Whitetop----- | 7e | --- |
| 41: | | |
| Cedarhill----- | 4e | --- |
| 42: | | |
| Cedarhill, dry----- | 7e | --- |
| 43: | | |
| Cedarhill----- | 4e | --- |
| Bearhollow----- | 4e | --- |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 44: | | |
| Cedarhill----- | 6e | — |
| Buist----- | 6e | — |
| 45: | | |
| Cedarhill----- | 7e | — |
| Burchert----- | 7e | — |
| 46: | | |
| Cedarhill----- | 4e | — |
| Clegg----- | 4e | — |
| 47: | | |
| Cedarhill----- | 7e | — |
| Clegg----- | 7e | — |
| Drage----- | 7e | — |
| 48: | | |
| Cedarhill, dry----- | 7e | — |
| Pinehollow, dry----- | 7e | — |
| 49: | | |
| Cedarhill----- | 6e | — |
| Wursten----- | 6e | — |
| 50: | | |
| Chesbrook----- | 5w | 5w |
| Bear Lake----- | 4w | 4w |
| 51: | | |
| Chinhill----- | 3c | 3e |
| 52: | | |
| Chokecherry----- | 7e | — |
| Dranyon----- | 7e | — |
| 53: | | |
| Chokecherry----- | 6e | — |
| Slights----- | 7e | — |
| Sheep Creek----- | 6e | — |
| 54: | | |
| Chokecherry----- | 7e | — |
| Tubbs Hollow----- | 7e | — |
| Sheep Creek, dry----- | 7e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 55: | | |
| Church Springs, dry----- | 6e | — |
| Monida, dry----- | 6e | — |
| 56: | | |
| Cleavage----- | 7e | — |
| Rock outcrop----- | — | — |
| 57: | | |
| Clegg----- | 3c | — |
| 58: | | |
| Clegg----- | 4e | — |
| 59: | | |
| Clegg----- | 4e | — |
| Grecan----- | 4e | — |
| 60: | | |
| Cooley, dry----- | 7e | — |
| Beehunt, dry----- | 7e | — |
| 61: | | |
| Crossley----- | 6e | — |
| Rock outcrop----- | — | — |
| 62: | | |
| Crossley----- | 6e | — |
| Whitetop----- | 7e | — |
| Rock outcrop----- | — | — |
| 63: | | |
| Cupine----- | 7e | — |
| Dunford----- | 7e | — |
| 64: | | |
| Cupine, dry----- | 7e | — |
| Falula, dry----- | 7e | — |
| 65: | | |
| Dennot, dry----- | 4e | — |
| Thatcher, dry----- | 4e | — |
| 66: | | |
| Dingle----- | 5w | — |
| 67: | | |
| Dinswamp----- | 5w | — |
| 68: | | |
| Dipcreek----- | 7e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 68: | | |
| Cutoff----- | 7e | — |
| Sheep Creek----- | 7e | — |
| 69: | | |
| Dipcreek----- | 6e | — |
| Rock outcrop----- | — | — |
| 70: | | |
| Dirtyhead----- | 7e | — |
| Cedarhill----- | 7e | — |
| 71: | | |
| Dirtyhead----- | 7e | — |
| Mumford----- | 7e | — |
| Dranburn----- | 7e | — |
| 72: | | |
| Dollarhide----- | 7e | — |
| 73: | | |
| Dollarhide----- | 7e | — |
| Grunder----- | 7e | — |
| 74: | | |
| Drage----- | 6e | — |
| Causey----- | 6e | — |
| Lilcan----- | 6e | — |
| 75: | | |
| Dranburn----- | 7e | — |
| Hoopgobel----- | 7e | — |
| Ledgehollow----- | 7e | — |
| 76: | | |
| Dranburn----- | 7e | — |
| Pavohroo----- | 7e | — |
| 77: | | |
| Dranburn----- | 7e | — |
| Pontuge----- | 7e | — |
| 78: | | |
| Dranburn----- | 7e | — |
| Poulridge----- | 7e | — |
| 79: | | |
| Dranyon----- | 7e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|-----------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 80: Dry Canyon, dry----- | 6e | — |
| 81: Dry Canyon, dry----- | 7e | — |
| Cutoff----- | 7e | — |
| 82: Dumps, mine----- | — | — |
| 83: Dutchcanyon----- | 3e | 4e |
| 84: Dutchcanyon----- | 4e | 6e |
| Frenchhollow----- | 4e | 6e |
| 85: Every----- | 4e | — |
| Preuss----- | 4e | — |
| 86: Every----- | 7e | — |
| Preuss----- | 7e | — |
| 87: Fishaven----- | 3e | — |
| Dutchcanyon----- | 4e | — |
| 88: Frenchhollow----- | 3c | 3c |
| 89: Frenchhollow----- | 4e | 6e |
| 90: Fury----- | 5w | 5w |
| 91: Georgecanyon----- | 3c | 3c |
| 92: Hades----- | 3c | 3c |
| 93: Hades----- | 3e | 4e |
| 94: Hades----- | 4e | — |
| 95: Hades----- | 6e | — |
| Horrocks----- | 6e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 96: | | |
| Hagenbarth----- | 6e | --- |
| Clegg----- | 6e | --- |
| 97: | | |
| Hagenbarth----- | 7e | --- |
| Dranburn----- | 7e | --- |
| 98: | | |
| Hagenbarth----- | 7e | --- |
| Horrocks----- | 7e | --- |
| 99: | | |
| Hagenbarth----- | 7e | --- |
| Zeebar----- | 7e | --- |
| Dranburn----- | 7e | --- |
| 100: | | |
| Hoopgobel----- | 6e | --- |
| Cadero----- | 6e | --- |
| 101: | | |
| Hoopgobel----- | 6e | --- |
| Slights----- | 6e | --- |
| 102: | | |
| Horrocks----- | 7e | --- |
| Cedarhill----- | 7e | --- |
| 103: | | |
| Horrocks----- | 4e | --- |
| Cleavage----- | 6e | --- |
| 104: | | |
| Horrocks----- | 7e | --- |
| Cleavage----- | 7e | --- |
| 105: | | |
| Hutchley----- | 7e | --- |
| Cupine----- | 7e | --- |
| Vitale----- | 7e | --- |
| 106: | | |
| Iphil----- | 3c | 3e |
| 107: | | |
| Iphil----- | 4e | 6e |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 108: | | |
| Iphil----- | 4e | — |
| 109: | | |
| Iphil----- | 6e | — |
| Lanoak----- | 4e | — |
| Watercanyon----- | 6e | — |
| 110: | | |
| Iphil----- | 4e | — |
| Watercanyon----- | 4e | — |
| 111: | | |
| Iphil, dry----- | 3e | — |
| Watercanyon, dry----- | 3e | — |
| 112: | | |
| Ireland----- | 7e | — |
| Falula----- | 6e | — |
| Vicking----- | 7e | — |
| 113: | | |
| Jacanyon----- | 7e | — |
| Cleavage----- | 7e | — |
| 114: | | |
| Jebo, dry----- | 6e | — |
| Cokeville, dry----- | 6e | — |
| Dennot, dry----- | 6e | — |
| 115: | | |
| Jebo----- | 6e | — |
| Cupine----- | 6e | — |
| 116: | | |
| Jebo, dry----- | 6e | — |
| Cupine, dry----- | 6e | — |
| 117: | | |
| Jebo----- | 6e | — |
| Dipcreek----- | 7e | — |
| 118: | | |
| Jebo, dry----- | 6e | — |
| Dipcreek, dry----- | 7e | — |
| 119: | | |
| Joes----- | 3c | 3c |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|------------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 120: Joes----- | 3e | 6e |
| 121: Kucera----- | 4e | --- |
| 122: Kucera----- | 7e | --- |
| Chausse----- | 7e | --- |
| Rexburg----- | 7e | --- |
| 123: La Roco----- | 3c | 3c |
| 124: La Roco, saline----- | 3c | --- |
| 125: Lag----- | 7e | --- |
| Dollarhide----- | 7e | --- |
| Rock outcrop----- | --- | --- |
| 126: Lag----- | 7e | --- |
| Dranyon----- | 7e | --- |
| 127: Lago----- | 3c | 3c |
| 128: Lago----- | 3c | 3c |
| Bear Lake----- | 4w | 4w |
| 129: Lago----- | 3c | 3c |
| Merkley----- | 3c | 3c |
| 130: Lanoak----- | 3c | 3c |
| 131: Lanoak----- | 3c | 3e |
| 132: Lanoak----- | 3e | 4e |
| 133: Lanoak----- | 4e | --- |
| 134: Lanoak----- | 4e | --- |
| Arbone----- | 6e | --- |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 135: | | |
| Lanoak----- | 3c | 3c |
| Rexburg----- | 3c | 3e |
| 136: | | |
| Leftfork----- | 7e | --- |
| Cleavage----- | 7e | --- |
| 137: | | |
| Lilcan----- | 7e | --- |
| Rock outcrop----- | --- | --- |
| Jacanyon----- | 7e | --- |
| 138: | | |
| Lilcan----- | 7e | --- |
| Watkins Ridge, dry----- | 6e | --- |
| Jacanyon----- | 7e | --- |
| 139: | | |
| Lonjon----- | 4e | --- |
| Kucera----- | 4e | --- |
| Sprollo----- | 4e | --- |
| 140: | | |
| Lonjon----- | 4e | --- |
| Kucera, dry----- | 4e | --- |
| Sprollo, dry----- | 4e | --- |
| 141: | | |
| Lonjon----- | 7e | --- |
| Monida----- | 7e | --- |
| Chokecherry----- | 7e | --- |
| 142: | | |
| Lonjon----- | 7e | --- |
| Mumford----- | 7e | --- |
| Rock outcrop----- | --- | --- |
| 143: | | |
| Lonjon----- | 7e | --- |
| Sheep Creek----- | 7e | --- |
| Dipcreek----- | 7e | --- |
| 144: | | |
| Lonjon----- | 7e | --- |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 144: | | |
| Sprollo----- | 7e | --- |
| Mumford----- | 7e | --- |
| 145: | | |
| Marshdale----- | 5w | --- |
| Bloomcreek----- | 5w | --- |
| 146: | | |
| Merkley----- | 3c | 3c |
| 147: | | |
| Millerditch----- | 3c | 3c |
| Cookcan----- | 4w | 4w |
| 148: | | |
| Mumford----- | 6e | --- |
| 149: | | |
| Mumford----- | 7e | --- |
| Sprollo----- | 7e | --- |
| 150: | | |
| Mumford----- | 7e | --- |
| Sprollo, dry----- | 7e | --- |
| 151: | | |
| Mumford----- | 8e | --- |
| Sprollo, dry----- | 8e | --- |
| 152: | | |
| Nielsen----- | 7e | --- |
| Dranburn----- | 7e | --- |
| Hagenbarth----- | 7e | --- |
| 153: | | |
| North Beach----- | 6s | --- |
| 154: | | |
| Nuffer----- | 3c | 3c |
| Blackotter----- | 4w | 4w |
| 155: | | |
| Nythar----- | 5w | --- |
| Sagollo----- | 3e | --- |
| 156: | | |
| Ovidcreek----- | 6s | 6s |
| 157: | | |
| Parding----- | 7e | --- |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 157: | | |
| Firading----- | 7e | — |
| Hagenbarth----- | 7e | — |
| 158: | | |
| Parding, dry----- | 4e | — |
| Firading, dry----- | 4e | — |
| Hagenbarth, dry----- | 4e | — |
| 159: | | |
| Pegram----- | 3c | 3c |
| 160: | | |
| Pinegap----- | 7e | — |
| Lonjon----- | 7e | — |
| 161: | | |
| Pinehollow----- | 6e | — |
| Ant Flat----- | 4e | — |
| Sheep Creek----- | 6e | — |
| 162: | | |
| Pits, gravel----- | — | — |
| 163: | | |
| Pontuge----- | 6e | — |
| Cokeville----- | 6e | — |
| 164: | | |
| Preussrange----- | 7e | — |
| Halfcircle----- | 7e | — |
| 165: | | |
| Prucree----- | 4e | — |
| Dipcreek----- | 6e | — |
| 166: | | |
| Raynal----- | 3c | 3c |
| 167: | | |
| Raynal----- | 3c | 3c |
| Lago----- | 3c | 3c |
| 168: | | |
| Ream----- | 3c | 3c |
| Merkley----- | 3c | 3c |
| 169: | | |
| Redpine----- | 4e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 169: | | |
| Draney----- | 6e | --- |
| Brushtop----- | 7e | --- |
| 170: | | |
| Rexburg----- | 3c | 3e |
| 171: | | |
| Rexburg----- | 3c | 3e |
| Iphil----- | 3c | 3e |
| 172: | | |
| Rexburg----- | 3c | 4e |
| Iphil----- | 3c | 4e |
| 173: | | |
| Rexburg----- | 3c | 3e |
| Kucera----- | 3c | 3c |
| 174: | | |
| Rexburg----- | 4e | 6e |
| Kucera----- | 3e | 4e |
| 175: | | |
| Rexburg----- | 4e | --- |
| Kucera----- | 4e | --- |
| 176: | | |
| Rexburg----- | 3c | 3e |
| Ririe----- | 3c | 3e |
| 177: | | |
| Rexburg----- | 3e | 4e |
| Ririe----- | 3e | 4e |
| 178: | | |
| Rexburg----- | 4e | 6e |
| Ririe----- | 4e | 6e |
| 179: | | |
| Rexburg----- | 4e | 6e |
| Watercanyon----- | 4e | 6e |
| 180: | | |
| Rexburg----- | 4e | --- |
| Wursten----- | 3e | --- |
| 181: | | |
| Richollow----- | 7e | --- |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 181: Dranburn----- | 7e | — |
| 182: Richollow----- | 6e | — |
| Ledgehollow----- | 6e | — |
| 183: Ririe----- | 3c | 3e |
| Iphil----- | 3c | 3e |
| 184: Sadducee----- | 5w | — |
| Bearbeach----- | 5w | — |
| 185: Sheep Creek, dry----- | 7e | — |
| Taylow, dry----- | 7e | — |
| Dry Canyon, dry----- | 7e | — |
| 186: Slights----- | 6e | — |
| Dranburn----- | 7e | — |
| 187: Springhollow----- | 3e | — |
| Arbone----- | 4e | — |
| 188: Springhollow, dry----- | 3e | — |
| Arbone, dry----- | 4e | — |
| 189: Sprollow----- | 7e | — |
| Lonjon----- | 7e | — |
| 190: Sprollow, dry----- | 7e | — |
| Lonjon----- | 7e | — |
| 191: Sprollow----- | 4e | — |
| Lonjon----- | 4e | — |
| Mumford----- | 6e | — |
| 192: Sprollow, dry----- | 4e | — |
| Lonjon----- | 4e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|----------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 192: Mumford----- | 6e | — |
| 193: Sprollow----- | 4e | — |
| Wursten----- | 4e | — |
| Lonjon----- | 4e | — |
| 194: Streek----- | 4e | — |
| Cleavage----- | 6e | — |
| 195: Streek, moist----- | 3e | — |
| Streek----- | 3e | — |
| Swanpeak----- | 3e | — |
| 196: Streek----- | 4e | — |
| Swanpeak----- | 4e | — |
| 197: Streek----- | 3e | — |
| Swanpeak----- | 3e | — |
| Sagollow----- | 3e | — |
| 198: Suryon----- | 3e | 4e |
| 199: Swan Flat----- | 7e | — |
| Dranburn----- | 7e | — |
| 200: Swanpeak----- | 3e | — |
| 201: Swanpeak----- | 4e | — |
| Ant Flat----- | 4e | — |
| 202: Swanpeak----- | 3e | — |
| Cloudless----- | 3e | — |
| 203: Swanpeak----- | 6e | — |
| Dutchcanyon----- | 6e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|--------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 204: | | |
| Swanpeak----- | 4e | — |
| Dutchcanyon----- | 4e | — |
| Ant Flat----- | 4e | — |
| 205: | | |
| Thatcher----- | 3e | 4e |
| 206: | | |
| Thatcher, dry----- | 3e | 4e |
| 207: | | |
| Thatcher----- | 6e | — |
| Church Springs----- | 4e | — |
| 208: | | |
| Thatcher----- | 4e | — |
| Clegg----- | 4e | — |
| 209: | | |
| Thatcher----- | 3c | 3c |
| Joes----- | 3c | 3c |
| 210: | | |
| Thatcherflats----- | 6s | — |
| 211: | | |
| Thomasfork----- | 4w | 4w |
| 212: | | |
| Toponce----- | 7e | — |
| Bailcreek----- | 6e | — |
| 213: | | |
| Tubbs Hollow----- | 6e | — |
| Dry Canyon, dry----- | 6e | — |
| 214: | | |
| Vicking----- | 3c | 3c |
| 215: | | |
| Vicking----- | 3e | 4e |
| 216: | | |
| Vicking----- | 4e | — |
| 217: | | |
| Vicking, dry----- | 3e | — |
| 218: | | |
| Vicking, dry----- | 4e | — |
| 219: | | |
| Vicking----- | 6e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|-----------------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 219: Cokeville----- | 6e | — |
| 220: Vipont----- | 7e | — |
| Dipcreek----- | 7e | — |
| 221: Vipont----- | 6e | — |
| Prucree----- | 6e | — |
| 222: Vipont----- | 7e | — |
| Suryon----- | 7e | — |
| 223: Warshod----- | 7e | — |
| Slan----- | 7e | — |
| 224: Warshod, dry----- | 6e | — |
| Slan, dry----- | 6e | — |
| 225: Water----- | — | — |
| 226: Water, miscellaneous----- | — | — |
| 227: Watkins Ridge, dry----- | 3e | — |
| 228: Wursten----- | 3c | 3c |
| 229: Wursten----- | 3e | 4e |
| 230: Wursten----- | 4e | — |
| 231: Wursten, dry----- | 3e | — |
| 232: Wursten----- | 6e | — |
| Bearhollow----- | 6e | — |
| 233: Wursten----- | 3e | 4e |
| Rexburg----- | 4e | 6e |
| 234: Wursten----- | 4e | — |

Soil Survey of Bear Lake County Area, Idaho

Land Capability Classification--Continued

| Map symbol and soil name | Land Capability Subclass | |
|---------------------------|--------------------------|-----------|
| | Non-irrigated | Irrigated |
| 234: Rexburg----- | 6e | — |
| 235: Wursten, dry----- | 4e | — |
| Rexburg, dry----- | 6e | — |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off-road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|--|--------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Not limited | | Not limited | | Not limited | |
| 2: Ant Flat----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 3: Ant Flat----- | 80 | Not limited | | Not limited | | Very limited Too steep | 1.00 |
| 4: Arbone----- | 85 | Not limited | | Not limited | | Not limited | |
| 5: Arbone----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 6: Arbone, dry----- | 80 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 7: Arbone----- | 60 | Not limited | | Not limited | | Not limited | |
| Wursten----- | 25 | Not limited | | Not limited | | Not limited | |
| 8: Arbone----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Wursten----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 9: Arbone, dry----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Wursten, dry----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 10: Bailcreek----- | 75 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Dranburn----- | 20 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| 11: Bailcreek----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.63 |
| Toponce----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.63 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off+road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|---|--------------|---|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 12: Bancroft----- | 80 | Not limited | | Not limited | | Not limited | |
| 13: Bancroft----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 14: Bancroft----- | 85 | Very limited Water erosion Slope | 1.00 0.32 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 15: Bear Lake----- | 55 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.96 |
| Bear Lake, ponded---- | 25 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Ponding Depth to saturated zone | 1.00 1.00 |
| 16: Bear Lake----- | 40 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.96 |
| Chesbrook----- | 25 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone Carbonate content | 1.00 |
| La Roco----- | 15 | Not limited | | Not limited | | Very limited Carbonate content | 1.00 |
| 17: Bear Lake----- | 50 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.96 |
| Lago----- | 35 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.56 |
| 18: Bearbou----- | 85 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 19: Bearhollow----- | 30 | Not limited | | Not limited | | Somewhat limited Gravel Slope | 0.61 0.01 |
| Brifox----- | 25 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Iphil----- | 20 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---|--------------|---|--------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 20: Bearhollow----- | 30 | Somewhat limited Slope | 0.82 | Not limited | | Very limited Too steep Gravel | 1.00 0.61 |
| Brifox----- | 25 | Somewhat limited Slope | 0.82 | Not limited | | Very limited Too steep | 1.00 |
| Iphil----- | 20 | Very limited Water erosion Slope | 1.00 0.82 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 21: Benning----- | 90 | Not limited | | Not limited | | Not limited | |
| 22: Bern----- | 90 | Not limited | | Not limited | | Not limited | |
| 23: Bezzant----- | 75 | Not limited | | Not limited | | Somewhat limited Slope Gravel | 0.37 0.26 |
| 24: Bezzant----- | 45 | Somewhat limited Slope | 0.18 | Not limited | | Very limited Too steep Gravel | 1.00 0.26 |
| Swanpeak----- | 45 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.01 |
| 25: Bischoff----- | 55 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.22 | Very limited Too steep | 1.00 |
| Hagenbarth----- | 40 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.22 | Very limited Too steep | 1.00 |
| 26: Bloomington----- | 80 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Ponding | 1.00 1.00 |
| 27: Boundridge----- | 75 | Not limited | | Not limited | | Very limited Depth to bedrock Depth to cemented pan Droughty Gravel Large stones | 1.00 1.00 1.00 0.99 0.05 |
| Sweetcreek----- | 20 | Very limited Water erosion Dusty | 1.00 0.50 | Very limited Water erosion Dusty | 1.00 0.50 | Somewhat limited Slope Depth to bedrock | 0.04 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|---------------------------------------|-------|--|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 28: Boyd hollow----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Too steep Gravel Droughty | 1.00 0.68 0.35 |
| Slan----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 0.29 |
| Cokeville----- | 15 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| 29: Brifox----- | 75 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Lizdale----- | 20 | Not limited | | Not limited | | Very limited Carbonate content Gravel Droughty Slope | 1.00 0.38 0.04 0.01 |
| 30: Brifox----- | 45 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Niter----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 31: Brifox----- | 45 | Not limited | | Not limited | | Very limited Too steep | 1.00 |
| Niter----- | 35 | Not limited | | Not limited | | Very limited Too steep | 1.00 |
| 32: Broadhead----- | 85 | Not limited | | Not limited | | Not limited | |
| 33: Broadhead----- | 80 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 34: Broadhead----- | 40 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Hades----- | 40 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Swanpeak----- | 20 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Large stones | 1.00 0.61 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---|----------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 35: Buist----- | 85 | Not limited | | Not limited | | Somewhat limited Large stones Droughty Gravel | 0.05 0.02 0.01 |
| 36: Buist----- | 90 | Not limited | | Not limited | | Somewhat limited Large stones Droughty Gravel Slope | 0.05 0.02 0.01 0.01 |
| 37: Buist, dry----- | 90 | Not limited | | Not limited | | Somewhat limited Large stones Droughty Gravel Slope | 0.05 0.02 0.01 0.01 |
| 38: Buist----- | 90 | Not limited | | Not limited | | Very limited Gravel Droughty | 1.00 0.02 |
| 39: Buist----- | 65 | Not limited | | Not limited | | Somewhat limited Large stones Droughty Gravel | 0.05 0.02 0.01 |
| Arbone----- | 30 | Not limited | | Not limited | | Not limited | |
| 40: Burchert----- | 60 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Depth to bedrock Gravel | 1.00 0.46 0.01 |
| Whitetop----- | 25 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Depth to bedrock Droughty | 1.00 1.00 0.81 |
| 41: Cedarhill----- | 90 | Not limited | | Not limited | | Somewhat limited Slope Large stones Droughty Gravel | 0.84 0.11 0.03 0.02 |
| 42: Cedarhill, dry----- | 80 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off+road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|--|--------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 43: | | | | | | | |
| Cedarhill----- | 50 | Not limited | | Not limited | | Somewhat limited Slope | 0.84 |
| | | | | | | Large stones | 0.11 |
| | | | | | | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| Bearhollow----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.84 |
| | | | | | | Gravel | 0.61 |
| 44: | | | | | | | |
| Cedarhill----- | 50 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| | | | | | | Large stones | 0.11 |
| | | | | | | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| Buist----- | 35 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| | | | | | | Large stones | 0.05 |
| | | | | | | Droughty | 0.02 |
| | | | | | | Gravel | 0.01 |
| 45: | | | | | | | |
| Cedarhill----- | 60 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| | | | | | | Large stones | 0.11 |
| | | | | | | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| Burchert----- | 35 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| | | | | | | Depth to bedrock | 0.46 |
| | | | | | | Gravel | 0.01 |
| 46: | | | | | | | |
| Cedarhill----- | 60 | Not limited | | Not limited | | Somewhat limited Slope | 0.84 |
| | | | | | | Large stones | 0.11 |
| | | | | | | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| Clegg----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.84 |
| 47: | | | | | | | |
| Cedarhill----- | 45 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| | | | | | | Large stones | 0.11 |
| | | | | | | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| Clegg----- | 30 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Drage----- | 20 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 48: Cedarhill, dry----- | 50 | Somewhat limited Slope | 0.18 | Not limited | | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Pinehollow, dry----- | 35 | Somewhat limited Large stones content Slope | 0.46 0.18 | Somewhat limited Large stones content | 0.46 | Very limited Large stones Too steep Depth to bedrock | 1.00 1.00 0.80 |
| 49: Cedarhill----- | 50 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Wursten----- | 40 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 50: Chesbrook----- | 65 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone Carbonate content | 1.00 1.00 |
| Bear Lake----- | 20 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.96 |
| 51: Chinhill----- | 80 | Not limited | | Not limited | | Not limited | |
| 52: Chokecherry----- | 65 | Very limited Slope Large stones content | 1.00 0.01 | Somewhat limited Slope Large stones content | 0.22 0.01 | Very limited Too steep Droughty Depth to bedrock Large stones Gravel | 1.00 1.00 1.00 0.97 0.23 |
| Dranyon----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep | 1.00 |
| 53: Chokecherry----- | 45 | Somewhat limited Slope Large stones content | 0.82 0.01 | Somewhat limited Large stones content | 0.01 | Very limited Droughty Depth to bedrock Too steep Large stones Gravel | 1.00 1.00 1.00 0.97 0.23 |
| Slights----- | 25 | Somewhat limited Slope | 0.82 | Not limited | | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off+road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 53: Sheep Creek----- | 20 | Somewhat limited Slope | 0.82 | Not limited | | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| 54: Chokecherry----- | 30 | Very limited Slope Large stones content | 1.00 0.01 | Somewhat limited Slope Large stones content | 0.22 0.01 | Very limited Droughty Depth to bedrock Too steep Large stones Gravel | 1.00 1.00 1.00 0.97 0.23 |
| Tubbs Hollow----- | 30 | Very limited Slope Dusty | 1.00 0.50 | Somewhat limited Dusty Slope | 0.50 0.22 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.84 0.20 |
| Sheep Creek, dry----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| 55: Church Springs, dry--- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.84 |
| Monida, dry----- | 35 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.84 |
| 56: Cleavage----- | 70 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.96 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Not limited | | Not limited | | Not limited | |
| 58: Clegg----- | 90 | Not limited | | Not limited | | Somewhat limited Slope | 0.63 |
| 59: Clegg----- | 50 | Not limited | | Not limited | | Somewhat limited Slope | 0.96 |
| Grecan----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 60: Cooley, dry----- | 40 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Gravel Droughty Large stones | 1.00 0.77 0.74 0.46 |
| Beehunt, dry----- | 30 | Very limited Slope Large stones content | 1.00 0.10 | Somewhat limited Slope Large stones content | 0.78 0.10 | Very limited Too steep Large stones Gravel Droughty | 1.00 1.00 0.95 0.80 |
| 61: Crossley----- | 70 | Very limited Slope Large stones content | 1.00 0.04 | Somewhat limited Large stones content | 0.04 | Very limited Large stones Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 1.00 0.91 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 62: Crossley----- | 50 | Very limited Slope Large stones content | 1.00 0.04 | Somewhat limited Large stones content | 0.04 | Very limited Large stones Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 1.00 0.91 |
| Whitetop----- | 30 | Very limited Slope | 1.00 | Not limited | | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.81 |
| Rock outcrop----- | 10 | Not rated | | Not rated | | Not rated | |
| 63: Cupine----- | 45 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Too steep Droughty Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| Dunford----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Too steep Large stones Depth to bedrock | 1.00 0.74 0.71 |
| 64: Cupine, dry----- | 40 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| Falula, dry----- | 30 | Somewhat limited Slope Large stones content | 0.92 0.65 | Somewhat limited Large stones content | 0.65 | Very limited Large stones Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 1.00 0.38 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---|--------------|---|--------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 65: Dennot, dry----- | 50 | Not limited | | Not limited | | Somewhat limited Slope Droughty | 0.37 0.01 |
| Thatcher, dry----- | 40 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.37 |
| 66: Dingle----- | 80 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Ponding | 1.00 1.00 |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Ponding | 1.00 1.00 | Very limited Depth to saturated zone Sodium content Ponding | 1.00 1.00 1.00 |
| 68: Dipcreek----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| Cutoff----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.95 0.01 |
| Sheep Creek----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| 69: Dipcreek----- | 60 | Not limited | | Not limited | | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| Rock outcrop----- | 40 | Not rated | | Not rated | | Not rated | |
| 70: Dirtyhead----- | 50 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Large stones Droughty Depth to bedrock Gravel | 1.00 0.38 0.37 0.29 0.15 |
| Cedarhill----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 71: Dirtyhead----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Large stones Droughty Depth to bedrock Gravel | 1.00 0.38 0.37 0.29 0.15 |
| Mumford----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Depth to bedrock Droughty Gravel Too steep Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Dranburn----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep | 1.00 |
| 72: Dollarhide----- | 90 | Very limited Slope | 1.00 | Not limited | | Very limited Droughty Depth to bedrock Too steep Gravel Large stones | 1.00 1.00 1.00 0.78 0.54 |
| 73: Dollarhide----- | 60 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Droughty Depth to bedrock Gravel Large stones | 1.00 1.00 1.00 0.78 0.54 |
| Grunder----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Depth to bedrock | 1.00 1.00 0.80 |
| 74: Drage----- | 35 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Causey----- | 30 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| Lilcan----- | 25 | Not limited | | Not limited | | Very limited Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 0.99 |
| 75: Dranburn----- | 50 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| Hoopgobel----- | 25 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Depth to bedrock | 1.00 0.65 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|--------------|---------------------------------------|-------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 75: Ledgehollow----- | 25 | Very limited Slope Dusty | 1.00 0.50 | Somewhat limited Dusty | 0.50 | Very limited Depth to bedrock Too steep Droughty Gravel | 1.00 1.00 0.83 0.01 |
| 76: Dranburn----- | 60 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| Pavohroo----- | 40 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 77: Dranburn----- | 60 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| Pontuge----- | 30 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 78: Dranburn----- | 60 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Poulridge----- | 40 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Depth to bedrock | 1.00 0.03 |
| 79: Dranyon----- | 75 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 80: Dry Canyon, dry----- | 85 | Not limited | | Not limited | | Very limited Too steep | 1.00 |
| 81: Dry Canyon, dry----- | 55 | Somewhat limited Slope | 0.98 | Not limited | | Very limited Too steep | 1.00 |
| Cutoff----- | 30 | Somewhat limited Slope | 0.98 | Not limited | | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.95 0.01 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Not limited | | Not limited | | Very limited Carbonate content Gravel Slope | 1.00 0.03 0.01 |
| 84: Dutchcanyon----- | 45 | Not limited | | Not limited | | Very limited Carbonate content Slope Gravel | 1.00 0.16 0.03 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 84: Frenchollow----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| 85: Everry----- | 50 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Preuss----- | 25 | Not limited | | Not limited | | Very limited Too steep Carbonate content Depth to bedrock Gravel Droughty | 1.00 1.00 0.97 0.97 0.88 |
| 86: Everry----- | 55 | Very limited Slope Water erosion | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.32 | Very limited Too steep | 1.00 |
| Preuss----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.32 | Very limited Too steep Carbonate content Depth to bedrock Gravel Droughty | 1.00 1.00 0.97 0.97 0.88 |
| 87: Fishaven----- | 70 | Not limited | | Not limited | | Very limited Carbonate content Slope Depth to bedrock Gravel Droughty | 1.00 0.96 0.71 0.46 0.07 |
| Dutchcanyon----- | 20 | Not limited | | Not limited | | Very limited Carbonate content Slope Gravel | 1.00 0.96 0.03 |
| 88: Frenchollow----- | 85 | Not limited | | Not limited | | Not limited | |
| 89: Frenchollow----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.63 |
| 90: Fury----- | 90 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone Flooding | 1.00 0.60 |
| 91: Georgecanyon----- | 90 | Not limited | | Not limited | | Somewhat limited Gravel | 0.01 |
| 92: Hades----- | 85 | Not limited | | Not limited | | Not limited | |
| 93: Hades----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 94: Hades----- | 90 | Somewhat limited Slope | 0.02 | Not limited | | Very limited Too steep | 1.00 |
| 95: Hades----- | 60 | Somewhat limited Slope | 0.18 | Not limited | | Very limited Too steep | 1.00 |
| Horrocks----- | 25 | Somewhat limited Slope | 0.18 | Not limited | | Very limited Too steep Gravel | 1.00 0.79 |
| 96: Hagenbarth----- | 60 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Clegg----- | 40 | Not limited | | Not limited | | Very limited Too steep | 1.00 |
| 97: Hagenbarth----- | 55 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Dranburn----- | 25 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 98: Hagenbarth----- | 55 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.22 | Very limited Too steep | 1.00 |
| Horrocks----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Gravel | 1.00 0.79 |
| 99: Hagenbarth----- | 40 | Very limited Slope Water erosion | 1.00 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Zeebar----- | 35 | Very limited Slope Dusty | 1.00 0.50 | Somewhat limited Dusty | 0.50 | Very limited Too steep Large stones Gravel Droughty | 1.00 0.11 0.02 0.01 |
| Dranburn----- | 20 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 100: Hoopgobel----- | 55 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Depth to bedrock | 1.00 0.65 |
| Cadero----- | 30 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Depth to bedrock | 1.00 0.84 |
| 101: Hoopgobel----- | 65 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Depth to bedrock | 1.00 0.65 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off+road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 101: Sights----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep | 1.00 |
| 102: Horrocks----- | 55 | Somewhat limited Slope | 0.18 | Not limited | | Very limited Too steep Gravel | 1.00 0.79 |
| Cedarhill----- | 30 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| 103: Horrocks----- | 60 | Not limited | | Not limited | | Somewhat limited Gravel Slope | 0.79 0.04 |
| Cleavage----- | 25 | Not limited | | Not limited | | Very limited Depth to bedrock Droughty Slope | 1.00 0.96 0.04 |
| 104: Horrocks----- | 60 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Gravel | 1.00 0.79 |
| Cleavage----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.68 | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.96 |
| 105: Hutchley----- | 30 | Very limited Slope Large stones content | 1.00 0.01 | Somewhat limited Slope Large stones content | 0.22 0.01 | Very limited Droughty Depth to bedrock Too steep Large stones Gravel | 1.00 1.00 1.00 0.95 0.05 |
| Cupine----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| Vitale----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Gravel Depth to bedrock Large stones Droughty | 1.00 0.92 0.46 0.08 0.01 |
| 106: Iphil----- | 80 | Not limited | | Not limited | | Not limited | |
| 107: Iphil----- | 80 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|---|-------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 108: Iphil----- | 80 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.96 |
| 109: Iphil----- | 30 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Lanoak----- | 30 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Watercanyon----- | 20 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 110: Iphil----- | 50 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.37 |
| Watercanyon----- | 30 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.37 |
| 111: Iphil, dry----- | 50 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Watercanyon, dry----- | 30 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 112: Ireland----- | 45 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 1.00 0.90 0.16 |
| Falula----- | 35 | Very limited Slope Large stones content | 1.00 0.65 | Somewhat limited Large stones content | 0.65 | Very limited Too steep Large stones Droughty Depth to bedrock Gravel | 1.00 1.00 1.00 1.00 0.38 |
| Vicking----- | 15 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 113: Jacanyon----- | 65 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Depth to bedrock | 1.00 0.10 |
| Cleavage----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off+road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 114: Jebo, dry----- | 40 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Cokeville, dry----- | 30 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| Dennot, dry----- | 20 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Too steep Droughty | 1.00 0.01 |
| 115: Jebo----- | 55 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Cupine----- | 25 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| 116: Jebo, dry----- | 55 | Not limited | | Not limited | | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Cupine, dry----- | 25 | Not limited | | Not limited | | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| 117: Jebo----- | 55 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.01 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Dipcreek----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.01 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| 118: Jebo, dry----- | 55 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.32 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 118: Dipcreek, dry----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.32 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| 119: Joes----- | 75 | Not limited | | Not limited | | Not limited | |
| 120: Joes----- | 75 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 121: Kucera----- | 90 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion Slope | 1.00 | Very limited Too steep | 1.00 |
| 122: Kucera----- | 45 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Too steep | 1.00 |
| Chausse----- | 25 | Very limited Slope Large stones content | 1.00 0.01 | Somewhat limited Slope Large stones content | 0.22 0.01 | Very limited Too steep Gravel Large stones Droughty | 1.00 0.98 0.95 0.08 |
| Rexburg----- | 15 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Too steep | 1.00 |
| 123: La Roco----- | 85 | Not limited | | Not limited | | Very limited Carbonate content | 1.00 |
| 124: La Roco, saline----- | 85 | Not limited | | Not limited | | Very limited Carbonate content Salinity | 1.00 0.50 |
| 125: Lag----- | 40 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Droughty | 1.00 0.27 |
| Dollarhide----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Droughty Depth to bedrock Too steep Gravel Large stones | 1.00 1.00 1.00 0.78 0.54 |
| Rock outcrop----- | 15 | Not rated | | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Too steep Droughty | 1.00 0.27 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|-------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 126: Dranyon----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Too steep | 1.00 |
| 127: Lago----- | 85 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.56 |
| 128: Lago----- | 65 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.56 |
| Bear Lake----- | 25 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.92 | Somewhat limited Depth to saturated zone | 0.96 |
| 129: Lago----- | 60 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.56 |
| Merkley----- | 30 | Not limited | | Not limited | | Very limited Carbonate content | 1.00 |
| 130: Lanoak----- | 80 | Not limited | | Not limited | | Not limited | |
| 131: Lanoak----- | 85 | Not limited | | Not limited | | Not limited | |
| 132: Lanoak----- | 85 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.16 |
| 133: Lanoak----- | 90 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 134: Lanoak----- | 60 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Arbone----- | 30 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 135: Lanoak----- | 55 | Not limited | | Not limited | | Not limited | |
| Rexburg----- | 35 | Not limited | | Not limited | | Not limited | |
| 136: Leftfork----- | 60 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Cleavage----- | 25 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 137: | | | | | | | |
| Lilcan----- | 60 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 0.99 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Depth to bedrock | 1.00 0.10 |
| 138: | | | | | | | |
| Lilcan----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 0.99 |
| Watkins Ridge, dry---- | 35 | Somewhat limited Slope | 0.68 | Not limited | | Very limited Too steep Gravel | 1.00 0.38 |
| Jacanyon----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Depth to bedrock | 1.00 0.10 |
| 139: | | | | | | | |
| Lonjon----- | 45 | Not limited | | Not limited | | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Kucera----- | 20 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Sprollo----- | 15 | Somewhat limited Slope | 0.18 | Not limited | | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 140: | | | | | | | |
| Lonjon----- | 45 | Not limited | | Not limited | | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Kucera, dry----- | 20 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Sprollo, dry----- | 15 | Not limited | | Not limited | | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 141: Lonjon----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.78 | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Monida----- | 25 | Very limited Slope Water erosion | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.78 | Very limited Too steep | 1.00 |
| Chokecherry----- | 20 | Very limited Slope Large stones content | 1.00 0.01 | Somewhat limited Slope Large stones content | 0.78 0.01 | Very limited Droughty Depth to bedrock Too steep Large stones Gravel | 1.00 1.00 1.00 0.97 0.23 |
| 142: Lonjon----- | 45 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Mumford----- | 25 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| 143: Lonjon----- | 40 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.01 | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Sheep Creek----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.01 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| Dipcreek----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.01 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|-------|--|-------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 144: Lonjon----- | 45 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Sprollow----- | 20 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Mumford----- | 15 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| 145: Marshdale----- | 45 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone Flooding | 1.00 1.00 0.60 |
| Bloomcreek----- | 30 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.56 |
| 146: Merkley----- | 85 | Not limited | | Not limited | | Very limited Carbonate content | 1.00 |
| 147: Millerditch----- | 60 | Not limited | | Not limited | | Somewhat limited Depth to saturated zone | 0.01 |
| Cookcan----- | 25 | Somewhat limited Depth to saturated zone | 0.94 | Somewhat limited Depth to saturated zone | 0.94 | Somewhat limited Depth to saturated zone | 0.98 |
| 148: Mumford----- | 90 | Not limited | | Not limited | | Very limited Depth to bedrock Droughty Gravel Carbonate content Slope | 1.00 1.00 1.00 1.00 0.16 |
| 149: Mumford----- | 60 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 149: Sprollow----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 150: Mumford----- | 60 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Sprollow, dry----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 151: Mumford----- | 65 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Sprollow, dry----- | 25 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 152: Nielsen----- | 45 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Depth to bedrock Too steep Droughty Large stones Gravel | 1.00 1.00 0.96 0.08 0.01 |
| Dranburn----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep | 1.00 |
| Hagenbarth----- | 15 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 153: North Beach----- | 100 | Somewhat limited Large stones content Too sandy Depth to saturated zone | 0.58 0.41 0.18 | Somewhat limited Large stones content Too sandy Depth to saturated zone | 0.58 0.41 0.18 | Very limited Large stones Droughty Depth to saturated zone Too sandy Gravel | 1.00 0.85 0.56 0.50 0.45 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | | Off+road motorcycle trails | | Golf fairways | |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 154: Nuffer----- | 45 | Not limited | | Not limited | | Somewhat limited Droughty Depth to saturated zone Gravel | 0.82 0.19 0.16 |
| Blackotter----- | 35 | Somewhat limited Depth to saturated zone | 0.94 | Somewhat limited Depth to saturated zone | 0.94 | Somewhat limited Depth to saturated zone | 0.98 |
| 155: Nythar----- | 75 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| Sagollow----- | 15 | Not limited | | Not limited | | Somewhat limited Depth to saturated zone | 0.08 |
| 156: Ovidcreek----- | 75 | Not limited | | Not limited | | Very limited Sodium content Carbonate content | 1.00 1.00 |
| 157: Parding----- | 40 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep Carbonate content | 1.00 1.00 |
| Firading----- | 30 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Droughty Large stones Depth to bedrock Gravel | 1.00 0.10 0.05 0.01 0.01 |
| Hagenbarth----- | 15 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 158: Parding, dry----- | 40 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep Carbonate content | 1.00 1.00 |
| Firading, dry----- | 30 | Not limited | | Not limited | | Very limited Too steep Droughty Large stones Depth to bedrock Gravel | 1.00 0.10 0.05 0.01 0.01 |
| Hagenbarth, dry----- | 15 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 159: Pegram----- | 80 | Not limited | | Not limited | | Not limited | |
| 160: Pinegap----- | 50 | Very limited Slope Gravel | 1.00 1.00 | Very limited Slope Gravel | 1.00 1.00 | Very limited Too steep Gravel | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|---|--------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 160: Lonjon----- | 35 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| 161: Pinehollow----- | 45 | Somewhat limited Large stones content Slope | 0.46 0.08 | Somewhat limited Large stones content | 0.46 | Very limited Large stones Too steep Depth to bedrock | 1.00 1.00 0.80 |
| Ant Flat----- | 25 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| Sheep Creek----- | 20 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| 162: Pits, gravel----- | 100 | Not rated | | Not rated | | Not rated | |
| 163: Pontuge----- | 45 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Cokeville----- | 40 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| 164: Preussrange----- | 50 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Depth to bedrock Droughty Large stones | 1.00 0.84 0.49 0.16 |
| Halfcircle----- | 35 | Very limited Water erosion Slope | 1.00 1.00 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Too steep | 1.00 |
| 165: Prucree----- | 50 | Not limited | | Not limited | | Somewhat limited Depth to bedrock Slope Droughty | 0.65 0.63 0.41 |
| Dipcreek----- | 30 | Not limited | | Not limited | | Very limited Droughty Depth to bedrock Slope Gravel | 1.00 1.00 0.63 0.01 |
| 166: Raynal----- | 90 | Not limited | | Not limited | | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|-------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 167: Raynal----- | 60 | Not limited | | Not limited | | Not limited | |
| Lago----- | 30 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.18 | Somewhat limited Depth to saturated zone | 0.56 |
| 168: Ream----- | 55 | Not limited | | Not limited | | Not limited | |
| Merkley----- | 30 | Not limited | | Not limited | | Very limited Carbonate content | 1.00 |
| 169: Redpine----- | 45 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Depth to bedrock | 1.00 0.80 |
| Draney----- | 25 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Depth to bedrock Too steep Droughty Gravel | 1.00 1.00 0.51 0.03 |
| Brushtop----- | 15 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep | 1.00 |
| 170: Rexburg----- | 80 | Not limited | | Not limited | | Not limited | |
| 171: Rexburg----- | 55 | Not limited | | Not limited | | Not limited | |
| Iphil----- | 25 | Not limited | | Not limited | | Not limited | |
| 172: Rexburg----- | 50 | Not limited | | Not limited | | Not limited | |
| Iphil----- | 25 | Not limited | | Not limited | | Not limited | |
| 173: Rexburg----- | 65 | Not limited | | Not limited | | Not limited | |
| Kucera----- | 25 | Not limited | | Not limited | | Not limited | |
| 174: Rexburg----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Kucera----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 175: Rexburg----- | 60 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Kucera----- | 35 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 176: Rexburg----- | 55 | Not limited | | Not limited | | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 176: Ririe----- | 35 | Not limited | | Not limited | | Very limited Too dense | 1.00 |
| 177: Rexburg----- | 50 | Not limited | | Not limited | | Not limited | |
| Ririe----- | 25 | Not limited | | Not limited | | Very limited Too dense | 1.00 |
| 178: Rexburg----- | 50 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.16 |
| Ririe----- | 30 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too dense Slope | 1.00 0.16 |
| 179: Rexburg----- | 55 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Watercanyon----- | 30 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 180: Rexburg----- | 50 | Not limited | | Not limited | | Not limited | |
| Wursten----- | 40 | Not limited | | Not limited | | Not limited | |
| 181: Richollow----- | 70 | Very limited Slope | 1.00 | Not limited | | Very limited Droughty Depth to bedrock Too steep Large stones | 1.00 1.00 1.00 0.08 |
| Dranburn----- | 20 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 182: Richollow----- | 55 | Somewhat limited Slope | 0.68 | Not limited | | Very limited Droughty Depth to bedrock Gravel Too steep Large stones | 1.00 1.00 1.00 1.00 0.08 |
| Ledgehollow----- | 30 | Somewhat limited Dusty | 0.50 | Somewhat limited Dusty | 0.50 | Very limited Depth to bedrock Too steep Droughty Gravel | 1.00 1.00 0.83 0.01 |
| 183: Ririe----- | 40 | Not limited | | Not limited | | Very limited Too dense | 1.00 |
| Iphil----- | 35 | Not limited | | Not limited | | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---|--------------|---|--------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 184: Sadducee----- | 55 | Very limited Depth to saturated zone Too sandy | 1.00 0.72 | Very limited Depth to saturated zone Too sandy | 1.00 0.72 | Very limited Depth to saturated zone | 1.00 |
| Bearbeach----- | 45 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone Droughty | 1.00 0.81 |
| 185: Sheep Creek, dry----- | 40 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| Taylow, dry----- | 25 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Depth to bedrock Droughty | 1.00 1.00 1.00 |
| Dry Canyon, dry----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep | 1.00 |
| 186: Slight----- | 65 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep | 1.00 |
| Dranburn----- | 20 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep | 1.00 |
| 187: Springhollow----- | 45 | Not limited | | Not limited | | Very limited Carbonate content Depth to bedrock Depth to cemented pan Gravel | 1.00 0.06 0.06 0.01 |
| Arbone----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 188: Springhollow, dry----- | 45 | Not limited | | Not limited | | Very limited Carbonate content Depth to bedrock Depth to cemented pan Gravel Slope | 1.00 0.06 0.06 0.01 0.01 |
| Arbone, dry----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 189: Sprollo----- | 55 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 25 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| 190: Sprollo, dry----- | 55 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 25 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| 191: Sprollo----- | 35 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 30 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Mumford----- | 25 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| 192: Sprollo, dry----- | 35 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 192: Lonjon----- | 30 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Mumford----- | 25 | Somewhat limited Slope | 0.92 | Not limited | | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| 193: Sprollow----- | 40 | Not limited | | Not limited | | Very limited Carbonate content Gravel Slope Droughty Depth to bedrock | 1.00 0.99 0.96 0.53 0.16 |
| Wursten----- | 25 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.96 |
| Lonjon----- | 15 | Not limited | | Not limited | | Very limited Gravel Carbonate content Slope Droughty Depth to bedrock | 1.00 1.00 0.96 0.91 0.80 |
| 194: Streek----- | 50 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| Cleavage----- | 35 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Depth to bedrock Droughty | 1.00 1.00 0.96 |
| 195: Streek, moist----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| Streek----- | 25 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| Swanpeak----- | 25 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.16 |
| 196: Streek----- | 45 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| Swanpeak----- | 35 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|---------------------------------------|--------------|---------------------------------------|--------------|--|--------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 197: Streek----- | 35 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| Swanpeak----- | 35 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.01 |
| Sagollow----- | 25 | Not limited | | Not limited | | Somewhat limited Depth to saturated zone | 0.08 |
| 198: Suryon----- | 90 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 199: Swan Flat----- | 65 | Very limited Slope Dusty | 1.00 0.50 | Somewhat limited Dusty Slope | 0.50 0.22 | Very limited Too steep Large stones | 1.00 0.01 |
| Dranburn----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep | 1.00 |
| 200: Swanpeak----- | 85 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.04 |
| 201: Swanpeak----- | 60 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.37 |
| Ant Flat----- | 25 | Not limited | | Not limited | | Somewhat limited Slope | 0.37 |
| 202: Swanpeak----- | 50 | Not limited | | Not limited | | Somewhat limited Large stones Slope | 0.61 0.16 |
| Cloudless----- | 30 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.16 |
| 203: Swanpeak----- | 70 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Large stones | 1.00 0.61 |
| Dutchcanyon----- | 20 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too steep Carbonate content Gravel | 1.00 0.03 |
| 204: Swanpeak----- | 45 | Somewhat limited Slope | 0.02 | Not limited | | Very limited Too steep Large stones | 1.00 0.61 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|-------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 204: Dutchcanyon----- | 30 | Somewhat limited Slope | 0.02 | Not limited | | Very limited Carbonate content Too steep Gravel | 1.00 1.00 0.03 |
| Ant Flat----- | 25 | Somewhat limited Slope | 0.02 | Not limited | | Very limited Too steep | 1.00 |
| 205: Thatcher----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 206: Thatcher, dry----- | 85 | Not limited | | Not limited | | Not limited | |
| 207: Thatcher----- | 50 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Church Springs----- | 40 | Not limited | | Not limited | | Somewhat limited Slope | 0.16 |
| 208: Thatcher----- | 80 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.84 |
| Clegg----- | 20 | Not limited | | Not limited | | Somewhat limited Slope | 0.84 |
| 209: Thatcher----- | 60 | Not limited | | Not limited | | Not limited | |
| Joes----- | 25 | Not limited | | Not limited | | Not limited | |
| 210: Thatcherflats----- | 75 | Not limited | | Not limited | | Very limited Sodium content | 1.00 |
| 211: Thomasfork----- | 95 | Somewhat limited Depth to saturated zone | 0.78 | Somewhat limited Depth to saturated zone | 0.78 | Somewhat limited Depth to saturated zone | 0.90 |
| 212: Toponce----- | 50 | Somewhat limited Slope | 0.82 | Not limited | | Very limited Too steep | 1.00 |
| Bailcreek----- | 40 | Somewhat limited Slope | 0.82 | Not limited | | Very limited Too steep | 1.00 |
| 213: Tubbs Hollow----- | 50 | Somewhat limited Dusty Slope | 0.50 0.02 | Somewhat limited Dusty | 0.50 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.84 0.20 |
| Dry Canyon, dry----- | 35 | Somewhat limited Slope | 0.02 | Not limited | | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 214: Vicking----- | 85 | Not limited | | Not limited | | Not limited | |
| 215: Vicking----- | 85 | Not limited | | Not limited | | Somewhat limited Slope | 0.01 |
| 216: Vicking----- | 85 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 217: Vicking, dry----- | 85 | Not limited | | Not limited | | Not limited | |
| 218: Vicking, dry----- | 85 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.96 |
| 219: Vicking----- | 55 | Very limited Water erosion Slope | 1.00 0.50 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Cokeville----- | 35 | Somewhat limited Slope | 0.50 | Not limited | | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| 220: Vipont----- | 55 | Very limited Slope Large stones content | 1.00 0.99 | Somewhat limited Large stones content Slope | 0.99 0.22 | Very limited Too steep Large stones Depth to bedrock Droughty | 1.00 1.00 0.99 0.83 |
| Dipcreek----- | 30 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 1.00 1.00 0.01 |
| 221: Vipont----- | 50 | Very limited Slope Large stones content | 1.00 0.99 | Somewhat limited Large stones content Slope | 0.99 0.22 | Very limited Too steep Large stones Depth to bedrock Droughty | 1.00 1.00 0.99 0.83 |
| Prucree----- | 35 | Very limited Slope | 1.00 | Not limited | | Very limited Too steep Depth to bedrock Droughty | 1.00 0.65 0.41 |
| 222: Vipont----- | 55 | Very limited Slope Large stones content | 1.00 0.99 | Somewhat limited Large stones content Slope | 0.99 0.22 | Very limited Too steep Large stones Depth to bedrock Droughty | 1.00 1.00 0.99 0.83 |
| Suryon----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|---------------------------------------|-------|---|----------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 223: Warshod----- | 45 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Droughty Gravel | 1.00 0.09 0.03 |
| Slan----- | 35 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.22 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 0.29 |
| 224: Warshod, dry----- | 55 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Too steep Droughty Gravel | 1.00 0.09 0.03 |
| Slan, dry----- | 35 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Gravel Too steep Depth to bedrock | 1.00 1.00 0.29 |
| 225: Water----- | 100 | Not rated | | Not rated | | Not rated | |
| 226: Water, miscellaneous-- | 100 | Not rated | | Not rated | | Not rated | |
| 227: Watkins Ridge, dry---- | 85 | Not limited | | Not limited | | Somewhat limited Gravel Slope | 0.38 0.01 |
| 228: Wursten----- | 75 | Not limited | | Not limited | | Not limited | |
| 229: Wursten----- | 80 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.16 |
| 230: Wursten----- | 80 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 231: Wursten, dry----- | 85 | Not limited | | Not limited | | Not limited | |
| 232: Wursten----- | 50 | Very limited Water erosion Slope | 1.00 0.08 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Bearhollow----- | 30 | Somewhat limited Slope | 0.08 | Not limited | | Very limited Too steep Gravel | 1.00 0.61 |
| 233: Wursten----- | 55 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.04 |
| Rexburg----- | 30 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Somewhat limited Slope | 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Paths, Trails, and Golf Fairways--Continued

| Map symbol and soil name | Pct. of map unit | Paths and trails | Value | Off+road motorcycle trails | Value | Golf fairways | Value |
|--------------------------------|---------------------------|--|--------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 234: | | | | | | | |
| Wursten----- | 45 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Rexburg----- | 35 | Very limited Water erosion Slope | 1.00 0.02 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| 235: | | | | | | | |
| Wursten, dry----- | 45 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |
| Rexburg, dry----- | 35 | Very limited Water erosion | 1.00 | Very limited Water erosion | 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils

(See "Soil Properties" for definitions of terms used in this table. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the mineral or saturated organic surface layer. Absence of an entry indicates that data were not estimated.)

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 1: Ant Flat----- | 0-2 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 2-5 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .24 | .37 | | | |
| | 5-9 | 30-38 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-3.0 | .20 | .37 | | | |
| | 9-25 | 35-55 | 1.35-1.50 | 0.06-0.2 | 0.13-0.15 | 6.0-8.9 | 0.5-1.0 | .15 | .24 | | | |
| | 25-38 | 32-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .15 | .24 | | | |
| | 38-60 | 25-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| 2: Ant Flat----- | 0-2 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 2-5 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .24 | .37 | | | |
| | 5-9 | 30-38 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-3.0 | .20 | .37 | | | |
| | 9-25 | 35-55 | 1.35-1.50 | 0.06-0.2 | 0.13-0.15 | 6.0-8.9 | 0.5-1.0 | .15 | .24 | | | |
| | 25-38 | 32-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .15 | .24 | | | |
| | 38-60 | 25-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| 3: Ant Flat----- | 0-2 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 2-5 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .24 | .37 | | | |
| | 5-9 | 30-38 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-3.0 | .20 | .37 | | | |
| | 9-25 | 35-55 | 1.35-1.50 | 0.06-0.2 | 0.13-0.15 | 6.0-8.9 | 0.5-1.0 | .15 | .24 | | | |
| | 25-38 | 32-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .15 | .24 | | | |
| | 38-60 | 25-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| 4: Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 5: Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 6: Arbone, dry----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 7: Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 8: Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 8: Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 9: Arbone, dry----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| Wursten, dry----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 10: Bailcreek----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 6 | 48 |
| | 1-6 | 12-20 | 1.15-1.30 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 4.0-6.0 | .17 | .32 | | | |
| | 6-14 | 12-20 | 1.25-1.40 | 0.6-2 | 0.11-0.18 | 0.0-2.9 | 2.0-4.0 | .15 | .37 | | | |
| | 14-19 | 33-55 | 1.35-1.50 | 0.06-0.2 | 0.10-0.17 | 6.0-8.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-32 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| | 32-43 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| | 43-60 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 11: Bailcreek----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 6 | 48 |
| | 1-6 | 12-20 | 1.15-1.30 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 4.0-6.0 | .17 | .32 | | | |
| | 6-14 | 12-20 | 1.25-1.40 | 0.6-2 | 0.11-0.18 | 0.0-2.9 | 2.0-4.0 | .15 | .37 | | | |
| | 14-19 | 33-55 | 1.35-1.50 | 0.06-0.2 | 0.10-0.17 | 6.0-8.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-32 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| | 32-43 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| | 43-60 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| Toponce----- | 0-3 | 12-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 4.0-6.0 | .32 | .32 | 5 | 6 | 48 |
| | 3-20 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 20-24 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-1.0 | .32 | .32 | | | |
| | 24-36 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-1.0 | .28 | .28 | | | |
| | 36-60 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-1.0 | .28 | .28 | | | |
| 12: Bancroft----- | 0-4 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-12 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 12-18 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 18-32 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 32-39 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 39-46 | 10-27 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 46-60 | 10-27 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 13: Bancroft----- | 0-4 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-12 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 12-18 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 18-32 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 32-39 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 39-46 | 10-27 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 46-60 | 10-27 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 14: Bancroft----- | 0-4 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-12 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 12-18 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 18-32 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 32-39 | 18-32 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 39-46 | 10-27 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 46-60 | 10-27 | 1.45-1.55 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 15: Bear Lake----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 4L | 86 |
| | 2-10 | 28-33 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .32 | .32 | | | |
| | 10-22 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 22-37 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 37-46 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 46-58 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 58-63 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Bear Lake, ponded | 0-2 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | 5 | 8 | 0 |
| | 2-10 | 28-33 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .32 | .32 | | | |
| | 10-22 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 22-37 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 37-46 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 46-58 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 58-63 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 16: Bear Lake----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 4L | 86 |
| | 2-10 | 28-33 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .32 | .32 | | | |
| | 10-22 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 22-37 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 37-46 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 46-58 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 58-63 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Chesbrook----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 4L | 86 |
| | 2-13 | 18-27 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 3.0-5.0 | .37 | .37 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 3.0-5.0 | .28 | .28 | | | |
| | 20-31 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 1.0-4.0 | .43 | .43 | | | |
| | 31-36 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 1.0-4.0 | .43 | .43 | | | |
| | 36-48 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 1.0-4.0 | .43 | .43 | | | |
| | 48-56 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 56-62 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| La Roco----- | 0-2 | 35-42 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 2.9-5.9 | 3.0-7.0 | .20 | .20 | 4 | 4L | 86 |
| | 2-11 | 35-42 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 2.9-5.9 | 3.0-7.0 | .24 | .24 | | | |
| | 11-20 | 25-47 | 1.25-1.50 | 0.2-0.6 | 0.19-0.21 | 2.9-5.9 | 0.5-2.0 | .37 | .37 | | | |
| | 20-26 | 25-40 | 1.25-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 26-34 | 20-34 | 1.25-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 34-42 | 20-34 | 1.40-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 42-49 | 10-15 | 1.40-1.50 | 0.6-2 | 0.13-0.20 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 49-59 | 10-15 | 1.40-1.50 | 0.6-2 | 0.13-0.20 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 59-62 | 5-10 | 1.60-1.70 | 6-20 | 0.02-0.06 | 0.0-2.9 | 0.0-0.5 | .02 | .20 | | | |
| 17: Bear Lake----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 4L | 86 |
| | 2-10 | 28-33 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .32 | .32 | | | |
| | 10-22 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 22-37 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 37-46 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 46-58 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 58-63 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 17: Lago----- | 0-8 | 18-26 | 1.15-1.25 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 3.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 8-13 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-19 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 19-29 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 29-38 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 38-45 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 45-55 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 55-60 | 10-26 | 1.35-1.60 | 0.6-6 | 0.11-0.19 | 0.0-2.9 | 0.0-0.5 | .24 | .24 | | | |
| 18: Bearbou----- | 0-3 | 15-24 | 1.00-1.20 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 3.0-5.0 | .32 | .32 | 4 | 6 | 48 |
| | 3-9 | 35-45 | 1.15-1.30 | 0.2-0.6 | 0.16-0.19 | 6.0-8.9 | 1.0-3.0 | .32 | .32 | | | |
| | 9-22 | 35-45 | 1.20-1.35 | 0.2-0.6 | 0.16-0.19 | 6.0-8.9 | 0.5-1.0 | .32 | .32 | | | |
| | 22-28 | 35-45 | 1.30-1.45 | 0.06-0.2 | 0.16-0.19 | 6.0-8.9 | 0.2-0.7 | .37 | .37 | | | |
| | 28-36 | 35-45 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 6.0-8.9 | 0.0-0.2 | .17 | .28 | | | |
| | 36-60 | 22-35 | 1.30-1.50 | 0.2-0.6 | 0.06-0.13 | 3.0-5.9 | 0.0-0.2 | .10 | .37 | | | |
| 19: Bearhollow----- | 0-6 | 13-18 | 1.20-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .15 | .28 | 4 | 5 | 56 |
| | 6-11 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 11-20 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-24 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 24-33 | 6-17 | 1.20-1.40 | 2-6 | 0.11-0.12 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 33-44 | 3-9 | 1.20-1.40 | 2-6 | 0.08-0.09 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 44-62 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Brifox----- | 0-8 | 30-40 | 1.15-1.30 | 0.06-0.2 | 0.18-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 8-15 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 15-21 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 21-32 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 32-40 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 40-60 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 20: Bearhollow----- | 0-6 | 13-18 | 1.20-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .15 | .28 | 4 | 5 | 56 |
| | 6-11 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 11-20 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-24 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 24-33 | 6-17 | 1.20-1.40 | 2-6 | 0.11-0.12 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 33-44 | 3-9 | 1.20-1.40 | 2-6 | 0.08-0.09 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 44-62 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Brifox----- | 0-8 | 30-40 | 1.15-1.30 | 0.06-0.2 | 0.18-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 8-15 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 15-21 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 21-32 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 32-40 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 40-60 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 21: Benning----- | 0-7 | 20-24 | 1.20-1.40 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 4 | 4L | 86 |
| | 7-18 | 20-24 | 1.20-1.40 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | | | |
| | 18-28 | 27-33 | 1.30-1.60 | 0.2-0.6 | 0.14-0.18 | 3.0-5.9 | 2.0-3.0 | .37 | .37 | | | |
| | 28-37 | 27-33 | 1.30-1.60 | 0.2-0.6 | 0.14-0.18 | 3.0-5.9 | 2.0-3.0 | .24 | .37 | | | |
| | 37-49 | 20-24 | 1.30-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 49-60 | 20-24 | 1.20-1.40 | 0.6-2 | 0.09-0.11 | 0.0-2.9 | 0.5-1.0 | .05 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 22: Bern----- | 0-9 | 16-26 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 9-16 | 27-34 | 1.30-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.5-2.0 | .37 | .37 | | | |
| | 16-26 | 18-34 | 1.30-1.50 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 26-34 | 18-34 | 1.30-1.50 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-47 | 18-34 | 1.30-1.50 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 47-55 | 5-18 | 1.25-1.45 | 0.6-6 | 0.15-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 55-65 | 5-18 | 1.25-1.45 | 0.6-6 | 0.15-0.20 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| 23: Bezzant----- | 0-5 | 15-25 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .20 | .32 | 5 | 5 | 56 |
| | 5-10 | 15-25 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 1.0-3.0 | .15 | .32 | | | |
| | 10-24 | 20-35 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 3.0-5.9 | 0.5-2.0 | .10 | .32 | | | |
| | 24-37 | 20-35 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 3.0-5.9 | 0.5-2.0 | .10 | .32 | | | |
| | 37-60 | 20-30 | 1.15-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 0.0-0.5 | .10 | .32 | | | |
| 24: Bezzant----- | 0-5 | 15-25 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .20 | .32 | 5 | 5 | 56 |
| | 5-10 | 15-25 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 1.0-3.0 | .15 | .32 | | | |
| | 10-24 | 20-35 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 3.0-5.9 | 0.5-2.0 | .10 | .32 | | | |
| | 24-37 | 20-35 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 3.0-5.9 | 0.5-2.0 | .10 | .32 | | | |
| | 37-60 | 20-30 | 1.15-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 0.0-0.5 | .10 | .32 | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| 25: Bischoff----- | 0-4 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 2.8-3.5 | 2.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 4-16 | 15-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 2.8-3.5 | 2.0-3.0 | .43 | .43 | | | |
| | 16-29 | 30-42 | 1.45-1.55 | 0.2-0.6 | 0.19-0.21 | 5.5-7.0 | 0.5-2.0 | .32 | .32 | | | |
| | 29-47 | 35-45 | 1.45-1.55 | 0.2-0.6 | 0.16-0.20 | 5.9-7.5 | 0.5-2.0 | .28 | .28 | | | |
| | 47-61 | 35-50 | 1.45-1.55 | 0.2-0.6 | 0.16-0.20 | 5.9-8.0 | 0.0-0.5 | .32 | .32 | | | |
| Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 26: Bloomington----- | 0-3 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | 5 | 8 | 0 |
| | 3-10 | 18-28 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 5.0-10 | .32 | .32 | | | |
| | 10-21 | 18-28 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 5.0-10 | .28 | .28 | | | |
| | 21-32 | 20-34 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 3.0-5.0 | .37 | .37 | | | |
| | 32-42 | 20-34 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 42-48 | 20-34 | 1.10-1.30 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 48-60 | 20-34 | 1.10-1.30 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| 27: Boundridge----- | 0-2 | 10-18 | 1.20-1.40 | 0.6-2 | 0.09-0.11 | 0.0-2.9 | 2.0-4.0 | .15 | .37 | 1 | 7 | 38 |
| | 2-7 | 10-18 | 1.15-1.35 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 1.0-3.0 | .17 | .55 | | | |
| | 7-14 | 12-18 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 1.0-2.0 | .10 | .49 | | | |
| | 14-21 | — | — | 0.0015-0.06 | — | — | — | — | — | | | |
| | 21-60 | 3-10 | 1.35-1.70 | 2-20 | 0.03-0.05 | 0.0-2.9 | 0.0-0.5 | .05 | .28 | | | |
| Sweetcreek----- | 0-2 | 11-26 | 1.10-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 2-11 | 24-30 | 1.10-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.5-1.5 | .43 | .43 | | | |
| | 11-18 | 24-30 | 1.20-1.40 | 0.2-0.6 | 0.14-0.16 | 3.0-5.9 | 0.0-1.0 | .24 | .37 | | | |
| | 18-24 | 24-30 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-1.0 | .49 | .49 | | | |
| | 24-39 | 15-25 | 1.30-1.50 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 39-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 28: | | | | | | | | | | | | |
| Boyd hollow----- | 0-3 | 10-18 | 1.10-1.30 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | 4 | 6 | 48 |
| | 3-11 | 10-18 | 1.15-1.45 | 0.6-2 | 0.05-0.11 | 0.0-2.9 | 1.0-4.0 | .10 | .28 | | | |
| | 11-19 | 10-18 | 1.20-1.45 | 2-6 | 0.05-0.11 | 0.0-2.9 | 1.0-3.0 | .05 | .20 | | | |
| | 19-41 | 8-18 | 1.30-1.60 | 2-6 | 0.03-0.11 | 0.0-2.9 | 0.5-1.0 | .05 | .24 | | | |
| | 41-57 | 5-10 | 1.35-1.70 | 2-6 | 0.01-0.08 | 0.0-2.9 | 0.0-0.5 | .05 | .28 | | | |
| | 57-65 | 5-10 | 1.35-1.70 | 6-20 | 0.01-0.08 | 0.0-2.9 | 0.0-0.5 | .05 | .24 | | | |
| Slan----- | 0-2 | 10-18 | 1.15-1.30 | 0.6-2 | 0.09-0.11 | 1.0-2.9 | 1.0-3.0 | .15 | .43 | 3 | 6 | 48 |
| | 2-5 | 10-22 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 1.0-2.9 | 1.0-2.0 | .20 | .28 | | | |
| | 5-18 | 18-30 | 1.20-1.40 | 0.2-0.6 | 0.11-0.14 | 3.0-5.9 | 0.0-1.0 | .24 | .37 | | | |
| | 18-25 | 18-30 | 1.20-1.40 | 0.2-0.6 | 0.11-0.14 | 3.0-5.9 | 0.0-0.8 | .24 | .37 | | | |
| | 25-32 | 10-18 | 1.30-1.45 | 0.6-2 | 0.12-0.16 | 1.0-2.9 | 0.0-0.0 | .28 | .28 | | | |
| | 32-60 | | | | | | | | | | | |
| Cokeville----- | 0-2 | 15-23 | 1.15-1.25 | 0.6-2 | 0.11-0.14 | 1.0-2.9 | 1.0-3.0 | .17 | .32 | 4 | 6 | 48 |
| | 2-5 | 15-23 | 1.25-1.35 | 0.6-2 | 0.12-0.15 | 1.0-2.9 | 1.0-2.0 | .32 | .49 | | | |
| | 5-9 | 27-35 | 1.25-1.35 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.8 | .20 | .32 | | | |
| | 9-15 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .20 | .37 | | | |
| | 15-31 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 31-43 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 43-56 | 34-40 | 1.30-1.40 | 0.2-0.6 | 0.16-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | .32 | | | |
| | 56-60 | | | | | | | | | | | |
| 29: | | | | | | | | | | | | |
| Brifox----- | 0-8 | 30-40 | 1.15-1.30 | 0.06-0.2 | 0.18-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 8-15 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 15-21 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 21-32 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 32-40 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 40-60 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| Lizdale----- | 0-3 | 12-16 | 1.15-1.25 | 0.6-2 | 0.11-0.14 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 2 | 5 | 56 |
| | 3-11 | 12-16 | 1.15-1.25 | 0.6-2 | 0.11-0.14 | 0.0-2.9 | 2.0-4.0 | .20 | .37 | | | |
| | 11-19 | 8-18 | 1.20-1.35 | 0.6-2 | 0.11-0.14 | 0.0-2.9 | 0.5-1.0 | .17 | .43 | | | |
| | 19-26 | 8-18 | 1.40-1.60 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .24 | | | |
| | 26-40 | 8-18 | 1.40-1.60 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .24 | | | |
| | 40-60 | 4-12 | 1.40-1.70 | 20-100 | 0.03-0.06 | 0.0-2.9 | 0.0-0.5 | .05 | .15 | | | |
| 30: | | | | | | | | | | | | |
| Brifox----- | 0-8 | 30-40 | 1.15-1.30 | 0.06-0.2 | 0.18-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 8-15 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 15-21 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 21-32 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 32-40 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 40-60 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| Niter----- | 0-4 | 30-40 | 1.15-1.25 | 0.2-0.6 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 4-8 | 30-40 | 1.15-1.25 | 0.2-0.6 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .37 | .37 | | | |
| | 8-12 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 9.0-25.0 | 0.5-1.0 | .37 | .37 | | | |
| | 12-19 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 9.0-25.0 | 0.5-1.0 | .37 | .37 | | | |
| | 19-30 | 35-60 | 1.25-1.40 | 0.0015-0.06 | 0.16-0.18 | 9.0-25.0 | 0.1-0.5 | .37 | .37 | | | |
| | 30-40 | 35-60 | 1.25-1.40 | 0.0015-0.06 | 0.16-0.18 | 9.0-25.0 | 0.1-0.5 | .32 | .32 | | | |
| | 40-60 | 35-60 | 1.25-1.40 | 0.0015-0.06 | 0.16-0.18 | 9.0-25.0 | 0.1-0.5 | .32 | .32 | | | |
| 31: | | | | | | | | | | | | |
| Brifox----- | 0-8 | 30-40 | 1.15-1.30 | 0.06-0.2 | 0.18-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 8-15 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 15-21 | 35-50 | 1.20-1.40 | 0.06-0.2 | 0.16-0.20 | 9.0-25.0 | 1.0-2.0 | .37 | .37 | | | |
| | 21-32 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 32-40 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| | 40-60 | 38-60 | 1.20-1.40 | 0.0015-0.06 | 0.15-0.18 | 9.0-25.0 | 0.5-1.0 | .32 | .32 | | | |
| Niter----- | 0-4 | 30-40 | 1.15-1.25 | 0.2-0.6 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .28 | .28 | 5 | 4L | 86 |
| | 4-8 | 30-40 | 1.15-1.25 | 0.2-0.6 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .37 | .37 | | | |
| | 8-12 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 9.0-25.0 | 0.5-1.0 | .37 | .37 | | | |
| | 12-19 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 9.0-25.0 | 0.5-1.0 | .37 | .37 | | | |
| | 19-30 | 35-60 | 1.25-1.40 | 0.0015-0.06 | 0.16-0.18 | 9.0-25.0 | 0.1-0.5 | .37 | .37 | | | |
| | 30-40 | 35-60 | 1.25-1.40 | 0.0015-0.06 | 0.16-0.18 | 9.0-25.0 | 0.1-0.5 | .32 | .32 | | | |
| | 40-60 | 35-60 | 1.25-1.40 | 0.0015-0.06 | 0.16-0.18 | 9.0-25.0 | 0.1-0.5 | .32 | .32 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 32: Broadhead----- | 0-4 | 12-23 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-14 | 27-35 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 14-21 | 35-50 | 1.20-1.40 | 0.06-0.6 | 0.15-0.19 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 21-43 | 35-50 | 1.20-1.40 | 0.06-0.6 | 0.15-0.19 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 43-61 | 30-38 | 1.35-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| 33: Broadhead----- | 0-4 | 12-23 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-14 | 27-35 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 14-21 | 35-50 | 1.20-1.40 | 0.06-0.6 | 0.15-0.19 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 21-43 | 35-50 | 1.20-1.40 | 0.06-0.6 | 0.15-0.19 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 43-61 | 30-38 | 1.35-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| 34: Broadhead----- | 0-4 | 12-23 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-14 | 27-35 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 14-21 | 35-50 | 1.20-1.40 | 0.06-0.6 | 0.15-0.19 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 21-43 | 35-50 | 1.20-1.40 | 0.06-0.6 | 0.15-0.19 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 43-61 | 30-38 | 1.35-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| Hades----- | 0-6 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .32 | .32 | 5 | 6 | 48 |
| | 6-12 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 12-20 | 21-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-61 | 22-33 | 1.20-1.25 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .37 | .37 | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| 35: Buist----- | 0-2 | 12-18 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 2-10 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 10-17 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .43 | | | |
| | 17-23 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 23-33 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 33-37 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 37-61 | 3-10 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| 36: Buist----- | 0-2 | 12-18 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 2-10 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 10-17 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .43 | | | |
| | 17-23 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 23-33 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 33-37 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 37-61 | 3-10 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| 37: Buist, dry----- | 0-2 | 12-18 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 2-10 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 10-17 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .43 | | | |
| | 17-23 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 23-33 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 33-37 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 37-61 | 3-10 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| 38: Buist----- | 0-2 | 12-18 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .43 | 3 | 7 | 38 |
| | 2-10 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 10-17 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .43 | | | |
| | 17-23 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 23-33 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 33-37 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 37-61 | 3-10 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 39: | | | | | | | | | | | | |
| Buist----- | 0-2 | 12-18 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 2-10 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 10-17 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .43 | | | |
| | 17-23 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 23-33 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 33-37 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 37-61 | 3-10 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 40: | | | | | | | | | | | | |
| Burchert----- | 0-3 | 16-20 | 1.25-1.35 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .37 | 3 | 6 | 48 |
| | 3-9 | 16-20 | 1.25-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .20 | .32 | | | |
| | 9-14 | 27-32 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.5-1.5 | .20 | .32 | | | |
| | 14-22 | 27-32 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.2-0.8 | .20 | .32 | | | |
| | 22-30 | 27-32 | 1.35-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .20 | .37 | | | |
| | 30-60 | — | — | — | — | — | — | — | — | | | |
| Whitetop----- | 0-4 | 8-12 | 1.00-1.15 | 2-6 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .20 | .20 | 2 | 1 | 220 |
| | 4-16 | 8-12 | 1.10-1.30 | 2-6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .28 | | | |
| | 16-60 | — | — | — | — | — | — | — | — | | | |
| 41: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| 42: | | | | | | | | | | | | |
| Cedarhill, dry--- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| 43: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| Bearhollow----- | 0-6 | 13-18 | 1.20-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .15 | .28 | 4 | 5 | 56 |
| | 6-11 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 11-20 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-24 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 24-33 | 6-17 | 1.20-1.40 | 2-6 | 0.11-0.12 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 33-44 | 3-9 | 1.20-1.40 | 2-6 | 0.08-0.09 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 44-62 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 44: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| Buist----- | 0-2 | 12-18 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 2-10 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 10-17 | 12-20 | 1.20-1.40 | 0.6-2 | 0.09-0.16 | 0.0-2.9 | 1.0-3.0 | .20 | .43 | | | |
| | 17-23 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 23-33 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 33-37 | 5-12 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 37-61 | 3-10 | 1.45-1.65 | 2-6 | 0.04-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 45: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| Burchert----- | 0-3 | 16-20 | 1.25-1.35 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .37 | 3 | 6 | 48 |
| | 3-9 | 16-20 | 1.25-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .20 | .32 | | | |
| | 9-14 | 27-32 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.5-1.5 | .20 | .32 | | | |
| | 14-22 | 27-32 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.2-0.8 | .20 | .32 | | | |
| | 22-30 | 27-32 | 1.35-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .20 | .37 | | | |
| | 30-60 | — | — | — | — | — | — | — | — | | | |
| 46: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |
| 47: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |
| Drage----- | 0-4 | 16-22 | 1.10-1.25 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 5 | 56 |
| | 4-10 | 16-22 | 1.15-1.30 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 10-22 | 27-35 | 1.30-1.45 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .17 | .43 | | | |
| | 22-38 | 27-35 | 1.30-1.45 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.5 | .10 | .43 | | | |
| | 38-60 | 18-26 | 1.25-1.50 | 0.6-2 | 0.04-0.10 | 3.0-5.9 | 0.0-0.2 | .10 | .43 | | | |
| 48: | | | | | | | | | | | | |
| Cedarhill, dry--- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| Pinehollow, dry-- | 0-2 | 18-23 | 1.00-1.20 | 0.6-2 | 0.13-0.17 | 0.0-2.9 | 3.0-5.0 | .10 | .32 | 2 | 8 | 0 |
| | 2-7 | 18-25 | 1.00-1.25 | 0.6-2 | 0.13-0.17 | 0.0-2.9 | 3.0-5.0 | .10 | .32 | | | |
| | 7-16 | 25-34 | 1.20-1.45 | 0.2-0.6 | 0.13-0.19 | 2.9-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 16-22 | 25-34 | 1.20-1.45 | 0.2-0.6 | 0.13-0.19 | 2.9-5.9 | 0.0-1.0 | .17 | .37 | | | |
| | 22-26 | 23-30 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 2.9-5.9 | 0.0-0.5 | .15 | .37 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| 49: | | | | | | | | | | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 49: Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 50: Chesbrook----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 4L | 86 |
| | 2-13 | 18-27 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 3.0-5.0 | .37 | .37 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 3.0-5.0 | .28 | .28 | | | |
| | 20-31 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 1.0-4.0 | .43 | .43 | | | |
| | 31-36 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 1.0-4.0 | .43 | .43 | | | |
| | 36-48 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 1.0-4.0 | .43 | .43 | | | |
| | 48-56 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 56-62 | 18-32 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| Bear Lake----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 4L | 86 |
| | 2-10 | 28-33 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .32 | .32 | | | |
| | 10-22 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 22-37 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 37-46 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 46-58 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 58-63 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 51: Chinhill----- | 0-2 | 12-17 | 1.20-1.40 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 2-21 | 12-17 | 1.20-1.40 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 21-36 | 12-17 | 1.20-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 36-60 | 12-17 | 1.20-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| 52: Chokecherry----- | 0-4 | 10-18 | 1.20-1.40 | 2-6 | 0.05-0.07 | 0.0-2.9 | 2.0-4.0 | .05 | .10 | 1 | 6 | 48 |
| | 4-9 | 10-18 | 1.00-1.40 | 2-6 | 0.03-0.11 | 0.0-2.9 | 1.0-3.0 | .05 | .15 | | | |
| | 9-18 | 12-18 | 1.20-1.60 | 2-6 | 0.03-0.11 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| Dranyon----- | 0-3 | 16-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .32 | .32 | 5 | 5 | 56 |
| | 3-9 | 16-22 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .24 | .32 | | | |
| | 9-20 | 24-34 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .28 | .43 | | | |
| | 20-26 | 24-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .20 | .43 | | | |
| | 26-44 | 28-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .10 | .32 | | | |
| | 44-60 | 28-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .17 | .32 | | | |
| 53: Chokecherry----- | 0-4 | 10-18 | 1.20-1.40 | 2-6 | 0.05-0.07 | 0.0-2.9 | 2.0-4.0 | .05 | .10 | 1 | 6 | 48 |
| | 4-9 | 10-18 | 1.00-1.40 | 2-6 | 0.03-0.11 | 0.0-2.9 | 1.0-3.0 | .05 | .15 | | | |
| | 9-18 | 12-18 | 1.20-1.60 | 2-6 | 0.03-0.11 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| Slights----- | 0-5 | 18-22 | 1.10-1.20 | 0.6-2 | 0.15-0.21 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 5-12 | 18-22 | 1.10-1.20 | 0.6-2 | 0.15-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 12-20 | 35-50 | 1.10-1.40 | 0.06-0.2 | 0.13-0.18 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 20-39 | 40-55 | 1.25-1.40 | 0.0015-0.2 | 0.13-0.15 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| | 39-60 | 40-55 | 1.25-1.40 | 0.0015-0.2 | 0.13-0.15 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| Sheep Creek----- | 0-5 | 10-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 2.0-5.0 | .05 | .10 | 2 | 5 | 56 |
| | 5-11 | 10-25 | 1.10-1.40 | 0.6-2 | 0.07-0.18 | 3.0-5.9 | 1.0-4.0 | .17 | .37 | | | |
| | 11-21 | 14-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 1.0-2.0 | .10 | .32 | | | |
| | 21-33 | 10-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 0.0-1.0 | .10 | .32 | | | |
| | 33-38 | 14-25 | 1.20-1.60 | 0.6-2 | 0.05-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 38-60 | — | — | — | — | — | — | — | — | | | |
| 54: Chokecherry----- | 0-4 | 10-18 | 1.20-1.40 | 2-6 | 0.05-0.07 | 0.0-2.9 | 2.0-4.0 | .05 | .10 | 1 | 6 | 48 |
| | 4-9 | 10-18 | 1.00-1.40 | 2-6 | 0.03-0.11 | 0.0-2.9 | 1.0-3.0 | .05 | .15 | | | |
| | 9-18 | 12-18 | 1.20-1.60 | 2-6 | 0.03-0.11 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|------------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 54: Tubbs Hollow----- | 0-3 | 10-18 | 1.30-1.45 | 2-6 | 0.08-0.11 | 0.0-2.9 | 2.0-4.0 | .15 | .24 | 2 | 6 | 48 |
| | 3-12 | 8-18 | 1.35-1.50 | 2-6 | 0.07-0.13 | 0.0-2.9 | 1.0-2.0 | .20 | .37 | | | |
| | 12-25 | 8-18 | 1.35-1.60 | 2-6 | 0.03-0.10 | 0.0-2.9 | 0.0-1.0 | .02 | .37 | | | |
| | 25-60 | — | — | — | — | — | — | — | — | | | |
| Sheep Creek, dry- | 0-5 | 10-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 2.0-5.0 | .05 | .10 | 2 | 5 | 56 |
| | 5-11 | 10-25 | 1.10-1.40 | 0.6-2 | 0.07-0.18 | 3.0-5.9 | 1.0-4.0 | .17 | .37 | | | |
| | 11-21 | 14-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 1.0-2.0 | .10 | .32 | | | |
| | 21-33 | 10-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 0.0-1.0 | .10 | .32 | | | |
| | 33-38 | 14-25 | 1.20-1.60 | 0.6-2 | 0.05-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 38-60 | — | — | — | — | — | — | — | — | | | |
| 55: Church Springs, dry----- | 0-2 | 18-24 | 0.95-1.20 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 5 | 56 |
| | 2-11 | 18-24 | 1.10-1.25 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 11-21 | 28-35 | 1.25-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 21-30 | 28-35 | 1.25-1.40 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 0.2-0.8 | .37 | .37 | | | |
| | 30-60 | 18-28 | 1.20-1.50 | 0.2-2 | 0.15-0.20 | 3.0-5.9 | 0.2-0.4 | .43 | .43 | | | |
| Monida, dry----- | 0-3 | 18-24 | 0.90-1.13 | 0.6-2 | 0.16-0.20 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | 5 | 6 | 48 |
| | 3-7 | 28-34 | 1.16-1.25 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 1.0-2.5 | .37 | .37 | | | |
| | 7-15 | 26-34 | 1.15-1.40 | 0.2-0.6 | 0.12-0.19 | 3.0-5.9 | 1.0-1.5 | .28 | .43 | | | |
| | 15-33 | 10-26 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 1.0-2.9 | 0.0-1.0 | .17 | .37 | | | |
| | 33-57 | 10-26 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 1.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 57-60 | 10-26 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 1.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| 56: Cleavage----- | 0-2 | 10-20 | 1.10-1.25 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 1 | 5 | 56 |
| | 2-6 | 10-20 | 1.12-1.30 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 6-9 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.5-0.8 | .15 | .37 | | | |
| | 9-14 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.2-0.6 | .10 | .37 | | | |
| | 14-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| 57: Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |
| 58: Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |
| 59: Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |
| Grecan----- | 0-3 | 15-20 | 0.95-1.20 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 5 | 5 | 56 |
| | 3-9 | 15-20 | 1.00-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | | | |
| | 9-22 | 30-40 | 1.20-1.30 | 0.2-0.6 | 0.16-0.18 | 3.0-5.9 | 1.0-3.0 | .28 | .28 | | | |
| | 22-28 | 35-45 | 1.30-1.45 | 0.06-0.2 | 0.14-0.19 | 6.0-8.9 | 0.5-0.8 | .28 | .28 | | | |
| | 28-32 | 35-45 | 1.30-1.45 | 0.06-0.2 | 0.14-0.19 | 6.0-8.9 | 0.2-0.8 | .28 | .28 | | | |
| | 32-41 | 18-35 | 1.35-1.55 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| | 41-60 | 18-35 | 1.35-1.55 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 60: | | | | | | | | | | | | |
| Cooley, dry----- | 0-2 | 6-12 | 1.30-1.45 | 0.6-2 | 0.06-0.08 | 1.0-2.9 | 2.0-3.0 | .05 | .17 | 5 | 6 | 48 |
| | 2-10 | 7-15 | 1.35-1.50 | 0.6-2 | 0.07-0.10 | 1.0-2.9 | 1.0-2.0 | .10 | .28 | | | |
| | 10-22 | 7-15 | 1.35-1.50 | 0.6-2 | 0.07-0.09 | 1.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 22-33 | 7-12 | 1.35-1.65 | 2-6 | 0.04-0.07 | 1.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 33-53 | 7-12 | 1.35-1.65 | 2-6 | 0.04-0.07 | 1.0-2.9 | 0.0-0.5 | .05 | .28 | | | |
| | 53-60 | 7-12 | 1.35-1.65 | 2-6 | 0.04-0.07 | 1.0-2.9 | 0.0-0.5 | .05 | .28 | | | |
| Beehunt, dry----- | 0-8 | 16-23 | 1.20-1.35 | 0.6-2 | 0.06-0.08 | 3.0-5.9 | 3.0-5.0 | .05 | .17 | 5 | 8 | 0 |
| | 8-21 | 16-23 | 1.20-1.35 | 0.6-2 | 0.06-0.08 | 3.0-5.9 | 3.0-5.0 | .05 | .28 | | | |
| | 21-37 | 16-25 | 1.30-1.50 | 0.6-2 | 0.05-0.07 | 3.0-5.9 | 1.0-3.0 | .05 | .32 | | | |
| | 37-54 | 18-27 | 1.30-1.50 | 0.6-2 | 0.06-0.08 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 54-60 | 16-25 | 1.30-1.50 | 0.6-2 | 0.05-0.07 | 3.0-5.9 | 1.0-3.0 | .05 | .32 | | | |
| 61: | | | | | | | | | | | | |
| Crossley----- | 0-3 | 10-16 | 1.30-1.45 | 2-6 | 0.08-0.12 | 0.0-2.9 | 1.0-3.0 | .05 | .28 | 1 | 8 | 0 |
| | 3-11 | 8-18 | 1.35-1.60 | 2-6 | 0.05-0.13 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 11-17 | 8-18 | 1.35-1.60 | 2-6 | 0.05-0.13 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| 62: | | | | | | | | | | | | |
| Crossley----- | 0-3 | 10-16 | 1.30-1.45 | 2-6 | 0.08-0.12 | 0.0-2.9 | 1.0-3.0 | .05 | .28 | 1 | 8 | 0 |
| | 3-11 | 8-18 | 1.35-1.60 | 2-6 | 0.05-0.13 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 11-17 | 8-18 | 1.35-1.60 | 2-6 | 0.05-0.13 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| Whitetop----- | 0-4 | 8-12 | 1.00-1.15 | 2-6 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .20 | .20 | 2 | 1 | 220 |
| | 4-16 | 8-12 | 1.10-1.30 | 2-6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .28 | | | |
| | 16-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| 63: | | | | | | | | | | | | |
| Cupine----- | 0-3 | 8-15 | 1.30-1.50 | 2-6 | 0.10-0.12 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 5 | 56 |
| | 3-10 | 10-20 | 1.30-1.40 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 2.0-4.0 | .15 | .20 | | | |
| | 10-17 | 10-20 | 1.35-1.45 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-2.0 | .15 | .24 | | | |
| | 17-23 | 7-12 | 1.50-1.70 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.5-1.0 | .02 | .28 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |
| Dunford----- | 0-5 | 12-20 | 1.10-1.25 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 2 | 6 | 48 |
| | 5-11 | 27-33 | 1.20-1.30 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.5-1.0 | .24 | .32 | | | |
| | 11-20 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| | 20-27 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| | 27-60 | — | — | — | — | — | — | — | — | | | |
| 64: | | | | | | | | | | | | |
| Cupine, dry----- | 0-3 | 8-15 | 1.30-1.50 | 2-6 | 0.10-0.12 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 5 | 56 |
| | 3-10 | 10-20 | 1.30-1.40 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 2.0-4.0 | .15 | .20 | | | |
| | 10-17 | 10-20 | 1.35-1.45 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-2.0 | .15 | .24 | | | |
| | 17-23 | 7-12 | 1.50-1.70 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.5-1.0 | .02 | .28 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |
| Falula, dry----- | 0-4 | 15-20 | 1.10-1.30 | 0.6-2 | 0.04-0.11 | 0.0-2.9 | 2.0-4.0 | .05 | .32 | 1 | 8 | 0 |
| | 4-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.04-0.11 | 0.0-2.9 | 1.0-3.0 | .02 | .32 | | | |
| | 12-18 | 15-22 | 1.25-1.45 | 0.6-2 | 0.04-0.11 | 0.0-2.9 | 0.0-0.5 | .05 | .49 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 65: | | | | | | | | | | | | |
| Dennot, dry----- | 0-6 | 10-18 | 1.15-1.40 | 0.6-2 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 3 | 4L | 86 |
| | 6-20 | 10-18 | 1.25-1.40 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 0.8-1.1 | .24 | .43 | | | |
| | 20-42 | 10-18 | 1.25-1.40 | 0.6-2 | 0.06-0.08 | 0.0-2.9 | 0.2-0.8 | .05 | .43 | | | |
| | 42-49 | 8-18 | 1.30-1.60 | 0.6-2 | 0.04-0.06 | 0.0-2.9 | 0.1-0.5 | .02 | .15 | | | |
| | 49-62 | 8-18 | 1.30-1.60 | 0.6-2 | 0.04-0.09 | 0.0-2.9 | 0.1-0.5 | .05 | .43 | | | |
| Thatcher, dry---- | 0-10 | 16-26 | 1.35-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 6 | 48 |
| | 10-19 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .43 | .43 | | | |
| | 19-28 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-1.5 | .43 | .43 | | | |
| | 28-42 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 42-60 | 18-32 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.2-0.8 | .49 | .49 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 66: Dingle----- | 0-6 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | 1 | 8 | 0 |
| | 6-18 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | | | |
| | 18-23 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | | | |
| | 23-36 | 18-28 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 3.0-7.0 | .37 | .37 | | | |
| | 36-60 | 18-28 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 3.0-7.0 | .37 | .37 | | | |
| 67: Dinswamp----- | 0-2 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | 1 | 8 | 0 |
| | 2-10 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | | | |
| | 10-12 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | | | |
| | 12-18 | 20-34 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 3.0-7.0 | .37 | .37 | | | |
| | 18-40 | 20-34 | 1.00-1.20 | 0.2-0.6 | 0.18-0.20 | 3.0-5.9 | 3.0-7.0 | .37 | .37 | | | |
| | 40-60 | 18-30 | 1.10-1.30 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 2.0-5.0 | .24 | .24 | | | |
| 68: Dipcreek----- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| Cutoff----- | 0-3 | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-5.0 | .17 | .28 | 2 | 6 | 48 |
| | 3-5 | 10-20 | 1.25-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | | | |
| | 5-9 | 10-25 | 1.25-1.40 | 2-6 | 0.07-0.09 | 0.0-2.9 | 0.0-1.0 | .24 | .37 | | | |
| | 9-23 | 10-25 | 1.25-1.40 | 2-6 | 0.07-0.09 | 0.0-2.9 | 0.0-0.5 | .15 | .37 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |
| Sheep Creek----- | 0-5 | 10-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 2.0-5.0 | .05 | .10 | 2 | 5 | 56 |
| | 5-11 | 10-25 | 1.10-1.40 | 0.6-2 | 0.07-0.18 | 3.0-5.9 | 1.0-4.0 | .17 | .37 | | | |
| | 11-21 | 14-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 1.0-2.0 | .10 | .32 | | | |
| | 21-33 | 10-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 0.0-1.0 | .10 | .32 | | | |
| | 33-38 | 14-25 | 1.20-1.60 | 0.6-2 | 0.05-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 38-60 | — | — | — | — | — | — | — | — | | | |
| 69: Dipcreek----- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| 70: Dirtyhead----- | 0-8 | 14-20 | 1.15-1.35 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 1.0-3.0 | .10 | .24 | 3 | 5 | 56 |
| | 8-18 | 10-16 | 1.25-1.40 | 0.6-2 | 0.06-0.13 | 0.0-2.9 | 0.4-1.0 | .17 | .43 | | | |
| | 18-26 | 10-16 | 1.30-1.50 | 0.6-2 | 0.06-0.13 | 0.0-2.9 | 0.2-0.8 | .15 | .43 | | | |
| | 26-32 | 10-16 | 1.30-1.50 | 0.6-2 | 0.06-0.13 | 0.0-2.9 | 0.1-0.5 | .15 | .43 | | | |
| | 32-60 | — | — | — | — | — | — | — | — | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| 71: Dirtyhead----- | 0-8 | 14-20 | 1.15-1.35 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 1.0-3.0 | .10 | .24 | 3 | 5 | 56 |
| | 8-18 | 10-16 | 1.25-1.40 | 0.6-2 | 0.06-0.13 | 0.0-2.9 | 0.4-1.0 | .17 | .43 | | | |
| | 18-26 | 10-16 | 1.30-1.50 | 0.6-2 | 0.06-0.13 | 0.0-2.9 | 0.2-0.8 | .15 | .43 | | | |
| | 26-32 | 10-16 | 1.30-1.50 | 0.6-2 | 0.06-0.13 | 0.0-2.9 | 0.1-0.5 | .15 | .43 | | | |
| | 32-60 | — | — | — | — | — | — | — | — | | | |
| Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 71: Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 72: Dollarhide----- | 0-6 | 10-16 | 1.25-1.37 | 0.6-2 | 0.05-0.09 | 0.0-2.9 | 2.0-4.0 | .05 | .15 | 1 | 6 | 48 |
| | 6-13 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.09 | 0.0-2.9 | 1.0-3.0 | .05 | .17 | | | |
| | 13-19 | 12-18 | 1.40-1.60 | 2-6 | 0.03-0.09 | 0.0-2.9 | 0.0-0.5 | .05 | .24 | | | |
| | 19-60 | — | — | — | — | — | — | — | — | | | |
| 73: Dollarhide----- | 0-6 | 10-16 | 1.25-1.37 | 0.6-2 | 0.05-0.09 | 0.0-2.9 | 2.0-4.0 | .05 | .15 | 1 | 6 | 48 |
| | 6-13 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.09 | 0.0-2.9 | 1.0-3.0 | .05 | .17 | | | |
| | 13-19 | 12-18 | 1.40-1.60 | 2-6 | 0.03-0.09 | 0.0-2.9 | 0.0-0.5 | .05 | .24 | | | |
| | 19-60 | — | — | — | — | — | — | — | — | | | |
| Grunder----- | 0-3 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 2 | 5 | 56 |
| | 3-12 | 16-22 | 1.00-1.10 | 0.6-2 | 0.17-0.19 | 3.0-5.9 | 3.0-5.0 | .32 | .32 | | | |
| | 12-22 | 26-34 | 1.10-1.30 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.5-3.0 | .43 | .43 | | | |
| | 22-26 | 15-30 | 1.20-1.40 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .28 | .49 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| 74: Drage----- | 0-4 | 16-22 | 1.10-1.25 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 5 | 56 |
| | 4-10 | 16-22 | 1.15-1.30 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 10-22 | 27-35 | 1.30-1.45 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .17 | .43 | | | |
| | 22-38 | 27-35 | 1.30-1.45 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.5 | .10 | .43 | | | |
| | 38-60 | 18-26 | 1.25-1.50 | 0.6-2 | 0.04-0.10 | 3.0-5.9 | 0.0-0.2 | .10 | .43 | | | |
| Causey----- | 0-5 | 14-20 | 1.10-1.20 | 0.6-2 | 0.11-0.16 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 5 | 56 |
| | 5-15 | 14-20 | 1.10-1.20 | 0.6-2 | 0.11-0.16 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | | | |
| | 15-23 | 20-27 | 1.20-1.45 | 2-6 | 0.08-0.13 | 0.0-2.9 | 1.0-2.0 | .28 | .37 | | | |
| | 23-60 | 20-27 | 1.20-1.60 | 2-6 | 0.08-0.13 | 0.0-2.9 | 0.0-0.5 | .28 | .43 | | | |
| Lilcan----- | 0-3 | 8-17 | 1.10-1.20 | 0.6-2 | 0.11-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .37 | 1 | 6 | 48 |
| | 3-9 | 8-15 | 1.20-1.45 | 2-6 | 0.08-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .49 | | | |
| | 9-15 | 6-15 | 1.20-1.60 | 2-6 | 0.08-0.13 | 0.0-2.9 | 0.0-0.5 | .10 | .55 | | | |
| | 15-60 | — | — | — | — | — | — | — | — | | | |
| 75: Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Hoopgobel----- | 0-4 | 16-20 | 1.25-1.35 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 3 | 5 | 56 |
| | 4-9 | 16-20 | 1.25-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | | | |
| | 9-18 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.5-1.5 | .24 | .32 | | | |
| | 18-24 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.2-0.8 | .24 | .32 | | | |
| | 24-28 | 24-30 | 1.35-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Ledgehollow----- | 0-4 | 16-20 | 1.20-1.40 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .20 | .32 | 2 | 6 | 48 |
| | 4-9 | 20-28 | 1.25-1.45 | 0.2-0.6 | 0.13-0.20 | 3.0-5.9 | 1.0-3.0 | .24 | .32 | | | |
| | 9-15 | 20-30 | 1.30-1.50 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 0.5-1.0 | .24 | .37 | | | |
| | 15-60 | — | — | — | — | — | — | — | — | | | |
| 76: Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 76: Pavohroo----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 1-5 | 18-24 | 1.10-1.25 | 0.6-2 | 0.15-0.18 | 3.0-5.9 | 2.0-5.0 | .20 | .20 | | | |
| | 5-12 | 18-30 | 1.20-1.35 | 0.6-2 | 0.13-0.18 | 3.0-5.9 | 2.0-4.0 | .15 | .24 | | | |
| | 12-17 | 18-30 | 1.20-1.40 | 0.6-2 | 0.13-0.18 | 3.0-5.9 | 1.0-4.0 | .15 | .28 | | | |
| | 17-24 | 18-30 | 1.25-1.40 | 0.6-2 | 0.13-0.18 | 3.0-5.9 | 1.0-3.0 | .20 | .32 | | | |
| | 24-32 | 18-30 | 1.25-1.40 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 0.5-2.0 | .20 | .32 | | | |
| | 32-41 | 18-32 | 1.25-1.40 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 0.2-1.0 | .17 | .32 | | | |
| | 41-60 | 18-30 | 1.25-1.50 | 0.6-2 | 0.13-0.18 | 3.0-5.9 | 0.0-1.0 | .17 | .37 | | | |
| 77: Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Pontuge----- | 0-3 | 10-22 | 1.10-1.30 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 3.0-5.0 | .32 | .32 | 3 | 5 | 56 |
| | 3-10 | 10-22 | 1.15-1.30 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | | | |
| | 10-17 | 18-30 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 1.0-2.0 | .28 | .43 | | | |
| | 17-21 | 18-30 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 1.0-2.0 | .20 | .37 | | | |
| | 21-24 | 12-20 | 1.40-1.55 | 0.6-2 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .24 | .43 | | | |
| | 24-42 | 8-18 | 1.45-1.60 | 2-6 | 0.05-0.10 | 0.0-2.9 | 0.0-0.4 | .05 | .24 | | | |
| | 42-60 | 3-13 | 1.55-1.70 | 20-100 | 0.02-0.06 | 0.0-2.9 | 0.0-0.0 | .02 | .24 | | | |
| 78: Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Poulridge----- | 0-3 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 6 | 48 |
| | 3-8 | 18-25 | 0.90-1.20 | 0.6-2 | 0.17-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | | | |
| | 8-15 | 18-25 | 1.15-1.25 | 0.6-2 | 0.17-0.20 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 15-31 | 28-35 | 1.30-1.45 | 0.2-0.6 | 0.16-0.19 | 3.0-5.9 | 0.2-1.0 | .32 | .32 | | | |
| | 31-37 | 5-15 | 1.35-1.55 | 2-6 | 0.08-0.14 | 0.0-2.9 | 0.2-0.5 | .49 | .49 | | | |
| | 37-60 | — | — | — | — | — | — | — | — | | | |
| 79: Dranyon----- | 0-3 | 16-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .32 | .32 | 5 | 5 | 56 |
| | 3-9 | 16-22 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .24 | .32 | | | |
| | 9-20 | 24-34 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .28 | .43 | | | |
| | 20-26 | 24-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .20 | .43 | | | |
| | 26-44 | 28-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .10 | .32 | | | |
| | 44-60 | 28-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .17 | .32 | | | |
| 80: Dry Canyon, dry-- | 0-3 | 15-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .20 | .20 | 4 | 5 | 56 |
| | 3-10 | 18-30 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 10-18 | 18-30 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .43 | .43 | | | |
| | 18-25 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 25-38 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| | 38-48 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .24 | .37 | | | |
| | 48-53 | 16-22 | 1.30-1.55 | 0.2-0.6 | 0.09-0.19 | 3.0-5.9 | 0.0-0.2 | .43 | .43 | | | |
| | 53-60 | — | — | — | — | — | — | — | — | | | |
| 81: Dry Canyon, dry-- | 0-3 | 15-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .20 | .20 | 4 | 5 | 56 |
| | 3-10 | 18-30 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 10-18 | 18-30 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .43 | .43 | | | |
| | 18-25 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 25-38 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| | 38-48 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .24 | .37 | | | |
| | 48-53 | 16-22 | 1.30-1.55 | 0.2-0.6 | 0.09-0.19 | 3.0-5.9 | 0.0-0.2 | .43 | .43 | | | |
| | 53-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 81: Cutoff----- | 0-3 | 10-20 | 1.20-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-5.0 | .17 | .28 | 2 | 6 | 48 |
| | 3-5 | 10-20 | 1.25-1.40 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | | | |
| | 5-9 | 10-25 | 1.25-1.40 | 2-6 | 0.07-0.09 | 0.0-2.9 | 0.0-1.0 | .24 | .37 | | | |
| | 13-23 | 12-18 | 1.25-1.40 | 2-6 | 0.07-0.09 | 0.0-2.9 | 0.0-0.5 | .15 | .37 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |
| 82: Dumps, mine. | | | | | | | | | | | | |
| 83: Dutchcanyon----- | 0-7 | 12-18 | 1.15-1.20 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 2 | 5 | 56 |
| | 7-13 | 14-20 | 1.20-1.30 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-27 | 12-18 | 1.20-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 27-61 | 12-18 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 84: Dutchcanyon----- | 0-7 | 12-18 | 1.15-1.20 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 2 | 5 | 56 |
| | 7-13 | 14-20 | 1.20-1.30 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-27 | 12-18 | 1.20-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 27-61 | 12-18 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Frenchollow----- | 0-12 | 30-35 | 1.20-1.25 | 0.06-0.2 | 0.17-0.19 | 6.0-8.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 12-20 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .32 | .32 | | | |
| | 20-29 | 35-50 | 1.40-1.50 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 0.5-2.0 | .37 | .37 | | | |
| | 29-52 | 40-50 | 1.30-1.50 | 0.0015-0.06 | 0.14-0.17 | 6.0-8.9 | 0.5-1.0 | .32 | .32 | | | |
| | 52-62 | 40-50 | 1.30-1.50 | 0.0015-0.06 | 0.13-0.17 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| 85: Every----- | 0-4 | 18-25 | 1.25-1.35 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | 4 | 4L | 86 |
| | 4-15 | 27-34 | 1.25-1.40 | 0.2-0.6 | 0.14-0.18 | 0.0-2.9 | 0.5-1.0 | .28 | .32 | | | |
| | 15-43 | 21-26 | 1.25-1.40 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| Preuss----- | 0-2 | 15-20 | 1.20-1.40 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 1.0-2.0 | .17 | .37 | 3 | 5 | 56 |
| | 2-13 | 15-20 | 1.20-1.40 | 0.6-2 | 0.08-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 13-22 | 18-24 | 1.30-1.50 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 22-60 | — | — | — | — | — | — | — | — | | | |
| 86: Every----- | 0-4 | 18-25 | 1.25-1.35 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | 4 | 4L | 86 |
| | 4-15 | 27-34 | 1.25-1.40 | 0.2-0.6 | 0.14-0.18 | 0.0-2.9 | 0.5-1.0 | .28 | .32 | | | |
| | 15-43 | 21-26 | 1.25-1.40 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| Preuss----- | 0-2 | 15-20 | 1.20-1.40 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 1.0-2.0 | .17 | .37 | 3 | 5 | 56 |
| | 2-13 | 15-20 | 1.20-1.40 | 0.6-2 | 0.08-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 13-22 | 18-24 | 1.30-1.50 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 22-60 | — | — | — | — | — | — | — | — | | | |
| 87: Fishaven----- | 0-3 | 12-17 | 1.10-1.20 | 0.6-2 | 0.12-0.14 | 0.0-2.9 | 2.0-4.0 | .15 | .24 | 2 | 5 | 56 |
| | 3-10 | 12-17 | 1.15-1.25 | 0.6-2 | 0.12-0.16 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | | | |
| | 10-16 | 12-17 | 1.20-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .17 | .32 | | | |
| | 16-22 | 12-17 | 1.20-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 22-27 | 12-17 | 1.30-1.40 | 0.6-2 | 0.10-0.15 | 0.0-2.9 | 0.0-0.5 | .17 | .43 | | | |
| | 27-60 | — | — | — | — | — | — | — | — | | | |
| Dutchcanyon----- | 0-7 | 12-18 | 1.15-1.20 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 2 | 5 | 56 |
| | 7-13 | 14-20 | 1.20-1.30 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-27 | 12-18 | 1.20-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 27-61 | 12-18 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 88: Frenchollow----- | 0-12 | 30-35 | 1.20-1.25 | 0.06-0.2 | 0.17-0.19 | 6.0-8.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 12-20 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .32 | .32 | | | |
| | 20-29 | 35-50 | 1.40-1.50 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 0.5-2.0 | .37 | .37 | | | |
| | 29-52 | 40-50 | 1.30-1.50 | 0.0015-0.06 | 0.14-0.17 | 6.0-8.9 | 0.5-1.0 | .32 | .32 | | | |
| | 52-62 | 40-50 | 1.30-1.50 | 0.0015-0.06 | 0.13-0.17 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 89: Frenchollow----- | 0-12 | 30-35 | 1.20-1.25 | 0.06-0.2 | 0.17-0.19 | 6.0-8.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 12-20 | 35-50 | 1.20-1.30 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .32 | .32 | | | |
| | 20-29 | 35-50 | 1.40-1.50 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 0.5-2.0 | .37 | .37 | | | |
| | 29-52 | 40-50 | 1.30-1.50 | 0.0015-0.06 | 0.14-0.17 | 6.0-8.9 | 0.5-1.0 | .32 | .32 | | | |
| | 52-62 | 40-50 | 1.30-1.50 | 0.0015-0.06 | 0.13-0.17 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| 90: Fury----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 1-12 | 18-27 | 0.95-1.15 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 4.0-6.0 | .28 | .28 | | | |
| | 12-21 | 20-35 | 1.03-1.18 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | | | |
| | 21-31 | 20-35 | 1.03-1.18 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | | | |
| | 31-41 | 20-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 41-51 | 20-35 | 1.20-1.26 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 0.2-2.0 | .49 | .49 | | | |
| | 51-60 | 20-35 | 1.20-1.28 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 0.2-2.0 | .49 | .49 | | | |
| 91: Georgecanyon----- | 0-3 | 20-26 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .20 | .28 | 3 | 5 | 56 |
| | 3-9 | 20-26 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | | | |
| | 9-16 | 27-35 | 1.30-1.60 | 0.2-0.6 | 0.13-0.15 | 3.0-5.9 | 1.0-3.0 | .17 | .37 | | | |
| | 16-26 | 27-35 | 1.30-1.60 | 0.2-0.6 | 0.10-0.12 | 3.0-5.9 | 1.0-2.0 | .15 | .37 | | | |
| | 26-39 | 21-32 | 1.30-1.50 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-1.0 | .05 | .20 | | | |
| | 39-60 | 21-32 | 1.30-1.50 | 0.6-2 | 0.04-0.08 | 0.0-2.9 | 0.0-1.0 | .02 | .20 | | | |
| 92: Hades----- | 0-6 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .32 | .32 | 5 | 6 | 48 |
| | 6-12 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 12-20 | 21-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-61 | 22-33 | 1.20-1.25 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .37 | .37 | | | |
| 93: Hades----- | 0-6 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .32 | .32 | 5 | 6 | 48 |
| | 6-12 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 12-20 | 21-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-61 | 22-33 | 1.20-1.25 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .37 | .37 | | | |
| 94: Hades----- | 0-6 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .32 | .32 | 5 | 6 | 48 |
| | 6-12 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 12-20 | 21-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-61 | 22-33 | 1.20-1.25 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .37 | .37 | | | |
| 95: Hades----- | 0-6 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .32 | .32 | 5 | 6 | 48 |
| | 6-12 | 18-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 12-20 | 21-25 | 1.20-1.25 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-61 | 22-33 | 1.20-1.25 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .37 | .37 | | | |
| Horrocks----- | 0-7 | 15-20 | 1.15-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | 3 | 6 | 48 |
| | 7-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 1.0-3.0 | .17 | .32 | | | |
| | 12-19 | 24-34 | 1.30-1.55 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-31 | 24-34 | 1.30-1.60 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .15 | .32 | | | |
| | 31-43 | 12-22 | 1.30-1.65 | 0.6-2 | 0.05-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| 96: Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 97: | | | | | | | | | | | | |
| Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 98: | | | | | | | | | | | | |
| Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Horrocks----- | 0-7 | 15-20 | 1.15-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | 3 | 6 | 48 |
| | 7-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 1.0-3.0 | .17 | .32 | | | |
| | 12-19 | 24-34 | 1.30-1.55 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-31 | 24-34 | 1.30-1.60 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .15 | .32 | | | |
| | 31-43 | 12-22 | 1.30-1.65 | 0.6-2 | 0.05-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| 99: | | | | | | | | | | | | |
| Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| Zeebar----- | 0-6 | 16-22 | 1.00-1.20 | 0.6-2 | 0.12-0.15 | 3.0-5.9 | 2.0-4.0 | .17 | .28 | 4 | 7 | 38 |
| | 6-13 | 16-22 | 1.20-1.35 | 0.6-2 | 0.12-0.15 | 3.0-5.9 | 1.0-3.0 | .15 | .28 | | | |
| | 13-18 | 24-34 | 1.35-1.60 | 0.2-0.6 | 0.05-0.14 | 3.0-5.9 | 0.4-1.0 | .10 | .20 | | | |
| | 18-34 | 24-34 | 1.40-1.60 | 0.2-0.6 | 0.05-0.14 | 3.0-5.9 | 0.2-0.8 | .05 | .20 | | | |
| | 34-48 | 24-34 | 1.40-1.60 | 0.2-0.6 | 0.05-0.14 | 3.0-5.9 | 0.2-0.5 | .05 | .20 | | | |
| | 48-60 | 24-34 | 1.40-1.60 | 0.2-0.6 | 0.05-0.14 | 3.0-5.9 | 0.1-0.5 | .02 | .20 | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 100: | | | | | | | | | | | | |
| Hoopgobel----- | 0-4 | 16-20 | 1.25-1.35 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 3 | 5 | 56 |
| | 4-9 | 16-20 | 1.25-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | | | |
| | 9-18 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.5-1.5 | .24 | .32 | | | |
| | 18-24 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.2-0.8 | .24 | .32 | | | |
| | 24-28 | 24-30 | 1.35-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Cadero----- | 0-5 | 8-12 | 1.00-1.15 | 2-6 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .20 | .20 | 3 | 1 | 220 |
| | 5-14 | 8-12 | 1.10-1.30 | 2-6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .28 | | | |
| | 14-25 | 8-12 | 1.10-1.30 | 2-6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .24 | .24 | | | |
| | 25-60 | — | — | — | — | — | — | — | — | | | |
| 101: | | | | | | | | | | | | |
| Hoopgobel----- | 0-4 | 16-20 | 1.25-1.35 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 3 | 5 | 56 |
| | 4-9 | 16-20 | 1.25-1.40 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .37 | | | |
| | 9-18 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.5-1.5 | .24 | .32 | | | |
| | 18-24 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.2-0.8 | .24 | .32 | | | |
| | 24-28 | 24-30 | 1.35-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .37 | .37 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 101: Slights----- | 0-5 | 18-22 | 1.10-1.20 | 0.6-2 | 0.15-0.21 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 5-12 | 18-22 | 1.10-1.20 | 0.6-2 | 0.15-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 12-20 | 35-50 | 1.10-1.40 | 0.06-0.2 | 0.13-0.18 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 20-39 | 40-55 | 1.25-1.40 | 0.0015-0.2 | 0.13-0.15 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| | 39-60 | 40-55 | 1.25-1.40 | 0.0015-0.2 | 0.13-0.15 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| 102: Horrocks----- | 0-7 | 15-20 | 1.15-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | 3 | 6 | 48 |
| | 7-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 1.0-3.0 | .17 | .32 | | | |
| | 12-19 | 24-34 | 1.30-1.55 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-31 | 24-34 | 1.30-1.60 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .15 | .32 | | | |
| | 31-43 | 12-22 | 1.30-1.65 | 0.6-2 | 0.05-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| Cedarhill----- | 0-3 | 8-17 | 1.00-1.25 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | 3 | 6 | 48 |
| | 3-7 | 8-17 | 1.15-1.30 | 0.6-2 | 0.12-0.18 | 0.0-2.9 | 1.0-2.0 | .28 | .49 | | | |
| | 7-13 | 8-17 | 1.30-1.45 | 0.6-2 | 0.07-0.16 | 0.0-2.9 | 0.0-0.8 | .24 | .55 | | | |
| | 13-26 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.13 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 26-60 | 8-17 | 1.30-1.50 | 0.6-2 | 0.07-0.12 | 0.0-2.9 | 0.0-0.2 | .02 | .55 | | | |
| 103: Horrocks----- | 0-7 | 15-20 | 1.15-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | 3 | 6 | 48 |
| | 7-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 1.0-3.0 | .17 | .32 | | | |
| | 12-19 | 24-34 | 1.30-1.55 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-31 | 24-34 | 1.30-1.60 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .15 | .32 | | | |
| | 31-43 | 12-22 | 1.30-1.65 | 0.6-2 | 0.05-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| Cleavage----- | 0-2 | 10-20 | 1.10-1.25 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 1 | 5 | 56 |
| | 2-6 | 10-20 | 1.12-1.30 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 6-9 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.5-0.8 | .15 | .37 | | | |
| | 9-14 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.2-0.6 | .10 | .37 | | | |
| | 14-60 | — | — | — | — | — | — | — | — | | | |
| 104: Horrocks----- | 0-7 | 15-20 | 1.15-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .15 | .28 | 3 | 6 | 48 |
| | 7-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 1.0-3.0 | .17 | .32 | | | |
| | 12-19 | 24-34 | 1.30-1.55 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-31 | 24-34 | 1.30-1.60 | 0.2-0.6 | 0.07-0.15 | 3.0-5.9 | 0.2-0.8 | .15 | .32 | | | |
| | 31-43 | 12-22 | 1.30-1.65 | 0.6-2 | 0.05-0.14 | 0.0-2.9 | 0.0-0.5 | .10 | .37 | | | |
| | 43-60 | — | — | — | — | — | — | — | — | | | |
| Cleavage----- | 0-2 | 10-20 | 1.10-1.25 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 1 | 5 | 56 |
| | 2-6 | 10-20 | 1.12-1.30 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 6-9 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.5-0.8 | .15 | .37 | | | |
| | 9-14 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.2-0.6 | .10 | .37 | | | |
| | 14-60 | — | — | — | — | — | — | — | — | | | |
| 105: Hutchley----- | 0-2 | 12-20 | 1.20-1.40 | 0.6-2 | 0.06-0.08 | 0.0-2.9 | 2.0-3.0 | .05 | .15 | 1 | 6 | 48 |
| | 2-10 | 24-35 | 1.35-1.50 | 0.2-2 | 0.07-0.11 | 3.0-5.9 | 0.5-1.5 | .10 | .17 | | | |
| | 10-15 | 24-35 | 1.35-1.50 | 0.2-2 | 0.07-0.11 | 3.0-5.9 | 0.5-1.5 | .05 | .17 | | | |
| | 15-60 | — | — | — | — | — | — | — | — | | | |
| Cupine----- | 0-3 | 8-15 | 1.30-1.50 | 2-6 | 0.10-0.12 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 5 | 56 |
| | 3-10 | 10-20 | 1.30-1.40 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 2.0-4.0 | .15 | .20 | | | |
| | 10-17 | 10-20 | 1.35-1.45 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-2.0 | .15 | .24 | | | |
| | 17-23 | 7-12 | 1.50-1.70 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.5-1.0 | .02 | .28 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |
| Vitale----- | 0-3 | 14-20 | 1.10-1.30 | 0.6-2 | 0.06-0.10 | 0.0-2.9 | 2.0-4.0 | .05 | .15 | 2 | 6 | 48 |
| | 3-9 | 18-34 | 1.30-1.50 | 0.2-0.6 | 0.11-0.17 | 3.0-5.9 | 0.2-0.8 | .05 | .28 | | | |
| | 9-20 | 18-34 | 1.35-1.55 | 0.2-0.6 | 0.11-0.17 | 3.0-5.9 | 0.2-0.5 | .05 | .24 | | | |
| | 20-30 | 13-25 | 1.35-1.60 | 0.2-0.6 | 0.10-0.16 | 3.0-5.9 | 0.0-0.2 | .05 | .24 | | | |
| | 30-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 106: Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 107: Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 108: Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 109: Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| Watercanyon----- | 0-4 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | 5 | 4L | 86 |
| | 4-11 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 11-23 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 23-32 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 32-60 | 8-18 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 110: Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| Watercanyon----- | 0-4 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | 5 | 4L | 86 |
| | 4-11 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 11-23 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 23-32 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 32-60 | 8-18 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 111: Iphil, dry----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| Watercanyon, dry- | 0-4 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | 5 | 4L | 86 |
| | 4-11 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 11-23 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 23-32 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 32-60 | 8-18 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 112: | | | | | | | | | | | | |
| Ireland----- | 0-4 | 15-20 | 1.30-1.50 | 0.6-2 | 0.07-0.09 | 0.0-2.9 | 1.0-3.0 | .17 | .28 | 2 | 6 | 48 |
| | 4-11 | 15-20 | 1.40-1.50 | 0.6-2 | 0.05-0.07 | 0.0-2.9 | 1.0-2.0 | .20 | .43 | | | |
| | 11-24 | 15-22 | 1.40-1.65 | 0.6-2 | 0.05-0.07 | 0.0-2.9 | 0.5-1.0 | .17 | .49 | | | |
| | 24-60 | — | — | — | — | — | — | — | — | | | |
| Falula----- | 0-4 | 15-20 | 1.10-1.30 | 0.6-2 | 0.04-0.11 | 0.0-2.9 | 2.0-4.0 | .05 | .32 | 1 | 8 | 0 |
| | 4-12 | 15-20 | 1.20-1.35 | 0.6-2 | 0.04-0.11 | 0.0-2.9 | 1.0-3.0 | .02 | .32 | | | |
| | 12-18 | 15-22 | 1.25-1.45 | 0.6-2 | 0.04-0.11 | 0.0-2.9 | 0.0-0.5 | .05 | .49 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| Vicking----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 113: | | | | | | | | | | | | |
| Jacanyon----- | 0-2 | 12-20 | 1.30-1.40 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 2 | 5 | 56 |
| | 2-11 | 22-27 | 1.35-1.45 | 0.6-2 | 0.15-0.19 | 3.0-5.9 | 1.0-2.0 | .24 | .32 | | | |
| | 11-18 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-2.0 | .24 | .32 | | | |
| | 18-26 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-2.0 | .20 | .32 | | | |
| | 26-35 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-1.0 | .17 | .37 | | | |
| | 35-60 | — | — | — | — | — | — | — | — | | | |
| Cleavage----- | 0-2 | 10-20 | 1.10-1.25 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 1 | 5 | 56 |
| | 2-6 | 10-20 | 1.12-1.30 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 6-9 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.5-0.8 | .15 | .37 | | | |
| | 9-14 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.2-0.6 | .10 | .37 | | | |
| | 14-60 | — | — | — | — | — | — | — | — | | | |
| 114: | | | | | | | | | | | | |
| Jebo, dry----- | 0-3 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .10 | .15 | 2 | 5 | 56 |
| | 3-12 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .24 | | | |
| | 12-19 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| | 19-28 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .05 | .24 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Cokeville, dry--- | 0-2 | 15-23 | 1.15-1.25 | 0.6-2 | 0.11-0.14 | 1.0-2.9 | 1.0-3.0 | .17 | .32 | 4 | 6 | 48 |
| | 2-5 | 15-23 | 1.25-1.35 | 0.6-2 | 0.12-0.15 | 1.0-2.9 | 1.0-2.0 | .32 | .49 | | | |
| | 5-9 | 27-35 | 1.25-1.35 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.8 | .20 | .32 | | | |
| | 9-15 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .20 | .37 | | | |
| | 15-31 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 31-43 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 43-56 | 34-40 | 1.30-1.40 | 0.2-0.6 | 0.16-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | .32 | | | |
| | 56-60 | — | — | — | — | — | — | — | — | | | |
| Dennot, dry----- | 0-6 | 10-18 | 1.15-1.40 | 0.6-2 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 3 | 4L | 86 |
| | 6-20 | 10-18 | 1.25-1.40 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 0.8-1.1 | .24 | .43 | | | |
| | 20-42 | 10-18 | 1.25-1.40 | 0.6-2 | 0.06-0.08 | 0.0-2.9 | 0.2-0.8 | .05 | .43 | | | |
| | 42-49 | 8-18 | 1.30-1.60 | 0.6-2 | 0.04-0.06 | 0.0-2.9 | 0.1-0.5 | .02 | .15 | | | |
| | 49-62 | 8-18 | 1.30-1.60 | 0.6-2 | 0.04-0.09 | 0.0-2.9 | 0.1-0.5 | .05 | .43 | | | |
| 115: | | | | | | | | | | | | |
| Jebo----- | 0-3 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .10 | .15 | 2 | 5 | 56 |
| | 3-12 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .24 | | | |
| | 12-19 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| | 19-28 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .05 | .24 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Cupine----- | 0-3 | 8-15 | 1.30-1.50 | 2-6 | 0.10-0.12 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 5 | 56 |
| | 3-10 | 10-20 | 1.30-1.40 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 2.0-4.0 | .15 | .20 | | | |
| | 10-17 | 10-20 | 1.35-1.45 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-2.0 | .15 | .24 | | | |
| | 17-23 | 7-12 | 1.50-1.70 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.5-1.0 | .02 | .28 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 116: Jebo, dry----- | 0-3 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .10 | .15 | 2 | 5 | 56 |
| | 3-12 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .24 | | | |
| | 12-19 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| | 19-28 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .05 | .24 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Cupine, dry----- | 0-3 | 8-15 | 1.30-1.50 | 2-6 | 0.10-0.12 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 5 | 56 |
| | 3-10 | 10-20 | 1.30-1.40 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 2.0-4.0 | .15 | .20 | | | |
| | 10-17 | 10-20 | 1.35-1.45 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-2.0 | .15 | .24 | | | |
| | 17-23 | 7-12 | 1.50-1.70 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.5-1.0 | .02 | .28 | | | |
| | 23-60 | — | — | — | — | — | — | — | — | | | |
| 117: Jebo----- | 0-3 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .10 | .15 | 2 | 5 | 56 |
| | 3-12 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .24 | | | |
| | 12-19 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| | 19-28 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .05 | .24 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Dipcreek----- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 118: Jebo, dry----- | 0-3 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .10 | .15 | 2 | 5 | 56 |
| | 3-12 | 15-20 | 1.25-1.35 | 0.6-2 | 0.08-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .24 | | | |
| | 12-19 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| | 19-28 | 10-18 | 1.35-1.45 | 2-6 | 0.05-0.07 | 0.0-2.9 | 0.1-0.5 | .05 | .24 | | | |
| | 28-60 | — | — | — | — | — | — | — | — | | | |
| Dipcreek, dry---- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 119: Joes----- | 0-7 | 18-27 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 4L | 86 |
| | 7-12 | 18-30 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 12-20 | 18-30 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-50 | 15-25 | 1.20-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 50-60 | 15-25 | 1.20-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 120: Joes----- | 0-7 | 18-27 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 4L | 86 |
| | 7-12 | 18-30 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 12-20 | 18-30 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-50 | 15-25 | 1.20-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 50-60 | 15-25 | 1.20-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 121: Kucera----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |
| 122: Kucera----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 122: | | | | | | | | | | | | |
| Chausse----- | 0-3 | 15-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 1.0-3.0 | .10 | .32 | 5 | 6 | 48 |
| | 3-10 | 10-18 | 1.45-1.60 | 0.6-6 | 0.07-0.12 | 3.0-5.9 | 0.5-1.0 | .10 | .37 | | | |
| | 10-23 | 10-18 | 1.45-1.60 | 0.6-6 | 0.07-0.12 | 3.0-5.9 | 0.0-0.5 | .10 | .43 | | | |
| | 23-42 | 10-18 | 1.45-1.60 | 0.6-6 | 0.07-0.12 | 3.0-5.9 | 0.0-0.5 | .10 | .24 | | | |
| | 42-58 | 10-18 | 1.45-1.60 | 0.6-6 | 0.07-0.12 | 3.0-5.9 | 0.0-0.5 | .15 | .43 | | | |
| | 58-69 | 10-18 | 1.45-1.60 | 0.6-6 | 0.07-0.12 | 3.0-5.9 | 0.0-0.5 | .24 | .43 | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 123: | | | | | | | | | | | | |
| La Roco----- | 0-2 | 35-42 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 2.9-5.9 | 3.0-7.0 | .20 | .20 | 4 | 4L | 86 |
| | 2-11 | 35-42 | 1.20-1.30 | 0.2-0.6 | 0.19-0.21 | 2.9-5.9 | 3.0-7.0 | .24 | .24 | | | |
| | 11-20 | 25-47 | 1.25-1.50 | 0.2-0.6 | 0.19-0.21 | 2.9-5.9 | 0.5-2.0 | .37 | .37 | | | |
| | 20-26 | 25-40 | 1.25-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 26-34 | 20-34 | 1.25-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 34-42 | 20-34 | 1.40-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 42-49 | 10-15 | 1.40-1.50 | 0.6-2 | 0.13-0.20 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 49-59 | 10-15 | 1.40-1.50 | 0.6-2 | 0.13-0.20 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 59-62 | 5-10 | 1.60-1.70 | 6-20 | 0.02-0.06 | 0.0-2.9 | 0.0-0.5 | .02 | .20 | | | |
| 124: | | | | | | | | | | | | |
| La Roco, saline-- | 0-2 | 35-42 | 1.20-1.30 | 0.2-0.6 | 0.14-0.17 | 2.9-5.9 | 3.0-7.0 | .20 | .20 | 4 | 4L | 86 |
| | 2-11 | 35-42 | 1.20-1.30 | 0.2-0.6 | 0.13-0.16 | 2.9-5.9 | 3.0-7.0 | .24 | .24 | | | |
| | 11-20 | 25-47 | 1.25-1.50 | 0.2-0.6 | 0.13-0.16 | 2.9-5.9 | 0.5-2.0 | .37 | .37 | | | |
| | 20-26 | 25-40 | 1.25-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 26-34 | 20-34 | 1.25-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 34-42 | 20-34 | 1.40-1.50 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 42-49 | 10-15 | 1.40-1.50 | 0.6-2 | 0.13-0.20 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 49-59 | 10-15 | 1.40-1.50 | 0.6-2 | 0.13-0.20 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 59-62 | 5-10 | 1.60-1.70 | 6-20 | 0.02-0.06 | 0.0-2.9 | 0.0-0.5 | .02 | .20 | | | |
| 125: | | | | | | | | | | | | |
| Lag----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 6 | 48 |
| | 1-8 | 15-22 | 1.15-1.30 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 2.0-4.0 | .10 | .24 | | | |
| | 8-17 | 5-20 | 1.30-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.8 | .05 | .20 | | | |
| | 17-32 | 5-20 | 1.30-1.65 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .05 | .24 | | | |
| | 32-48 | 5-20 | 1.35-1.65 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .05 | .24 | | | |
| | 48-60 | 5-20 | 1.30-1.70 | 2-6 | 0.03-0.10 | 0.0-2.9 | 0.0-0.1 | .02 | .24 | | | |
| Dollarhide----- | 0-6 | 10-16 | 1.25-1.37 | 0.6-2 | 0.05-0.09 | 0.0-2.9 | 2.0-4.0 | .05 | .15 | 1 | 6 | 48 |
| | 6-13 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.09 | 0.0-2.9 | 1.0-3.0 | .05 | .17 | | | |
| | 13-19 | 12-18 | 1.40-1.60 | 2-6 | 0.03-0.09 | 0.0-2.9 | 0.0-0.5 | .05 | .24 | | | |
| | 19-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| 126: | | | | | | | | | | | | |
| Lag----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 6 | 48 |
| | 1-8 | 15-22 | 1.15-1.30 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 2.0-4.0 | .10 | .24 | | | |
| | 8-17 | 5-20 | 1.30-1.60 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.8 | .05 | .20 | | | |
| | 17-32 | 5-20 | 1.30-1.65 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .05 | .24 | | | |
| | 32-48 | 5-20 | 1.35-1.65 | 2-6 | 0.04-0.08 | 0.0-2.9 | 0.0-0.2 | .05 | .24 | | | |
| | 48-60 | 5-20 | 1.30-1.70 | 2-6 | 0.03-0.10 | 0.0-2.9 | 0.0-0.1 | .02 | .24 | | | |
| Dranyon----- | 0-3 | 16-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .32 | .32 | 5 | 5 | 56 |
| | 3-9 | 16-22 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .24 | .32 | | | |
| | 9-20 | 24-34 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .28 | .43 | | | |
| | 20-26 | 24-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .20 | .43 | | | |
| | 26-44 | 28-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .10 | .32 | | | |
| | 44-60 | 28-34 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .17 | .32 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 127: Lago----- | 0-8 | 18-26 | 1.15-1.25 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 3.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 8-13 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-19 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 19-29 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 29-38 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 38-45 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 45-55 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 55-60 | 10-26 | 1.35-1.60 | 0.6-6 | 0.11-0.19 | 0.0-2.9 | 0.0-0.5 | .24 | .24 | | | |
| 128: Lago----- | 0-8 | 18-26 | 1.15-1.25 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 3.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 8-13 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-19 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 19-29 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 29-38 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 38-45 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 45-55 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 55-60 | 10-26 | 1.35-1.60 | 0.6-6 | 0.11-0.19 | 0.0-2.9 | 0.0-0.5 | .24 | .24 | | | |
| Bear Lake----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 4L | 86 |
| | 2-10 | 28-33 | 1.20-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .32 | .32 | | | |
| | 10-22 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 22-37 | 22-33 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 37-46 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 46-58 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 58-63 | 18-34 | 1.20-1.40 | 0.2-2 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 129: Lago----- | 0-8 | 18-26 | 1.15-1.25 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 3.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 8-13 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-19 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 19-29 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 29-38 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 38-45 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 45-55 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 55-60 | 10-26 | 1.35-1.60 | 0.6-6 | 0.11-0.19 | 0.0-2.9 | 0.0-0.5 | .24 | .24 | | | |
| Merkley----- | 0-2 | 12-22 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 4L | 86 |
| | 2-12 | 12-22 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 12-20 | 12-25 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | | | |
| | 20-28 | 12-18 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | | | |
| | 28-36 | 12-18 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .55 | .55 | | | |
| | 36-40 | 10-17 | 1.50-1.60 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 40-53 | 3-12 | 1.55-1.70 | 2-6 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .32 | .32 | | | |
| | 53-56 | 3-12 | 1.55-1.70 | 2-6 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 56-61 | 1-5 | 1.60-2.00 | 6-20 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .20 | .20 | | | |
| 130: Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| 131: Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| 132: Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 133: Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| 134: Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 135: Lanoak----- | 0-9 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 3.0-5.0 | .37 | .37 | 5 | 5 | 56 |
| | 9-16 | 10-20 | 1.12-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-25 | 18-22 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-43 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 43-60 | 18-27 | 1.25-1.55 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 136: Leftfork----- | 0-5 | 18-27 | 1.25-1.35 | 0.6-2 | 0.15-0.18 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 3 | 6 | 48 |
| | 5-11 | 35-47 | 1.25-1.40 | 0.06-0.2 | 0.13-0.17 | 6.0-8.9 | 1.0-3.0 | .24 | .24 | | | |
| | 11-18 | 35-49 | 1.35-1.50 | 0.06-0.2 | 0.13-0.17 | 6.0-8.9 | 0.0-1.0 | .24 | .24 | | | |
| | 18-25 | 32-49 | 1.35-1.50 | 0.06-0.2 | 0.13-0.17 | 6.0-8.9 | 0.0-0.5 | .24 | .24 | | | |
| | 25-43 | 32-49 | 1.35-1.50 | 0.06-0.2 | 0.04-0.07 | 6.0-8.9 | 0.0-0.5 | .02 | .24 | | | |
| | 43-45 | — | — | — | — | — | — | — | — | | | |
| | 45-60 | — | — | — | — | — | — | — | — | | | |
| Cleavage----- | 0-2 | 10-20 | 1.10-1.25 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 1 | 5 | 56 |
| | 2-6 | 10-20 | 1.12-1.30 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 6-9 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.5-0.8 | .15 | .37 | | | |
| | 9-14 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.2-0.6 | .10 | .37 | | | |
| | 14-60 | — | — | — | — | — | — | — | — | | | |
| 137: Lilcan----- | 0-3 | 8-17 | 1.10-1.20 | 0.6-2 | 0.11-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .37 | 1 | 6 | 48 |
| | 3-9 | 8-15 | 1.20-1.45 | 2-6 | 0.08-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .49 | | | |
| | 9-15 | 6-15 | 1.20-1.60 | 2-6 | 0.08-0.13 | 0.0-2.9 | 0.0-0.5 | .10 | .55 | | | |
| | 15-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| Jacanyon----- | 0-2 | 12-20 | 1.30-1.40 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 2 | 5 | 56 |
| | 2-11 | 22-27 | 1.35-1.45 | 0.6-2 | 0.15-0.19 | 3.0-5.9 | 1.0-2.0 | .24 | .32 | | | |
| | 11-18 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-2.0 | .24 | .32 | | | |
| | 18-26 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-2.0 | .20 | .32 | | | |
| | 26-35 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-1.0 | .17 | .37 | | | |
| | 35-60 | — | — | — | — | — | — | — | — | | | |
| 138: Lilcan----- | 0-3 | 8-17 | 1.10-1.20 | 0.6-2 | 0.11-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .37 | 1 | 6 | 48 |
| | 3-9 | 8-15 | 1.20-1.45 | 2-6 | 0.08-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .49 | | | |
| | 9-15 | 6-15 | 1.20-1.60 | 2-6 | 0.08-0.13 | 0.0-2.9 | 0.0-0.5 | .10 | .55 | | | |
| | 15-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|------------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 138: Watkins Ridge, dry----- | 0-8 | 15-20 | 1.10-1.25 | 0.6-2 | 0.15-0.17 | 1.0-2.9 | 2.0-4.0 | .20 | .32 | 5 | 5 | 56 |
| | 8-14 | 15-20 | 1.10-1.25 | 0.6-2 | 0.15-0.17 | 1.0-2.9 | 2.0-4.0 | .24 | .37 | | | |
| | 14-26 | 18-30 | 1.20-1.45 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 26-45 | 18-30 | 1.20-1.45 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 45-60 | 18-30 | 1.20-1.45 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| Jacanyon----- | 0-2 | 12-20 | 1.30-1.40 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 2 | 5 | 56 |
| | 2-11 | 22-27 | 1.35-1.45 | 0.6-2 | 0.15-0.19 | 3.0-5.9 | 1.0-2.0 | .24 | .32 | | | |
| | 11-18 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-2.0 | .24 | .32 | | | |
| | 18-26 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-2.0 | .20 | .32 | | | |
| | 26-35 | 22-33 | 1.35-1.45 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-1.0 | .17 | .37 | | | |
| | 35-60 | — | — | — | — | — | — | — | — | | | |
| 139: Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Kucera----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |
| Sprollo----- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| 140: Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Kucera, dry----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |
| Sprollo, dry---- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| 141: Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Monida----- | 0-3 | 18-24 | 0.90-1.13 | 0.6-2 | 0.16-0.20 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | 5 | 6 | 48 |
| | 3-7 | 28-34 | 1.16-1.25 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 1.0-2.5 | .37 | .37 | | | |
| | 7-15 | 26-34 | 1.15-1.40 | 0.2-0.6 | 0.12-0.19 | 3.0-5.9 | 1.0-1.5 | .28 | .43 | | | |
| | 15-33 | 10-26 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 1.0-2.9 | 0.0-1.0 | .17 | .37 | | | |
| | 33-57 | 10-26 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 1.0-2.9 | 0.0-0.5 | .20 | .37 | | | |
| | 57-60 | 10-26 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 1.0-2.9 | 0.0-0.5 | .49 | .49 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 141: Chokecherry----- | 0-4 | 10-18 | 1.20-1.40 | 2-6 | 0.05-0.07 | 0.0-2.9 | 2.0-4.0 | .05 | .10 | 1 | 6 | 48 |
| | 4-9 | 10-18 | 1.00-1.40 | 2-6 | 0.03-0.11 | 0.0-2.9 | 1.0-3.0 | .05 | .15 | | | |
| | 9-18 | 12-18 | 1.20-1.60 | 2-6 | 0.03-0.11 | 0.0-2.9 | 0.0-1.0 | .05 | .24 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 142: Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| Rock outcrop----- | 0-60 | — | — | — | — | — | — | — | — | — | — | — |
| 143: Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Sheep Creek----- | 0-5 | 10-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 2.0-5.0 | .05 | .10 | 2 | 5 | 56 |
| | 5-11 | 10-25 | 1.10-1.40 | 0.6-2 | 0.07-0.18 | 3.0-5.9 | 1.0-4.0 | .17 | .37 | | | |
| | 11-21 | 14-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 1.0-2.0 | .10 | .32 | | | |
| | 21-33 | 10-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 0.0-1.0 | .10 | .32 | | | |
| | 33-38 | 14-25 | 1.20-1.60 | 0.6-2 | 0.05-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 38-60 | — | — | — | — | — | — | — | — | | | |
| Dipcreek----- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 144: Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Sprollo----- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| 145: Marshdale----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 4 | 2 | 134 |
| | 2-9 | 18-25 | 0.80-0.95 | 0.6-2 | 0.18-0.21 | 3.0-5.9 | 5.0-8.0 | .37 | .37 | | | |
| | 9-15 | 18-25 | 0.90-1.15 | 0.6-2 | 0.18-0.21 | 3.0-5.9 | 4.0-7.0 | .37 | .37 | | | |
| | 15-24 | 18-34 | 1.25-1.40 | 0.2-0.6 | 0.14-0.20 | 3.0-5.9 | 2.0-5.0 | .37 | .37 | | | |
| | 24-38 | 18-34 | 1.30-1.45 | 0.2-0.6 | 0.14-0.20 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 38-50 | 18-34 | 1.30-1.45 | 0.2-0.6 | 0.14-0.20 | 3.0-5.9 | 0.5-2.0 | .43 | .43 | | | |
| | 50-60 | 2-5 | 1.55-1.70 | 20-100 | 0.03-0.06 | 0.0-2.9 | 0.0-0.0 | .02 | .20 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 145: Bloomcreek----- | 0-3 | 15-22 | 0.90-1.10 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 3.0-5.0 | .32 | .32 | 3 | 5 | 56 |
| | 3-17 | 15-22 | 0.95-1.20 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | | | |
| | 17-24 | 10-18 | 1.15-1.60 | 2-6 | 0.04-0.19 | 0.0-2.9 | 0.5-2.0 | .10 | .20 | | | |
| | 24-32 | 10-18 | 1.15-1.60 | 2-6 | 0.04-0.19 | 0.0-2.9 | 0.5-2.0 | .10 | .20 | | | |
| | 32-38 | 10-22 | 1.20-1.35 | 0.6-2 | 0.14-0.19 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 38-60 | 0-10 | 1.50-1.65 | 6-20 | 0.02-0.12 | 0.0-2.9 | 0.1-0.5 | .02 | .17 | | | |
| 146: Merkley----- | 0-2 | 12-22 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 4L | 86 |
| | 2-12 | 12-22 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 12-20 | 12-25 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | | | |
| | 20-28 | 12-18 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | | | |
| | 28-36 | 12-18 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .55 | .55 | | | |
| | 36-40 | 10-17 | 1.50-1.60 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 40-53 | 3-12 | 1.55-1.70 | 2-6 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .32 | .32 | | | |
| | 53-56 | 3-12 | 1.55-1.70 | 2-6 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 56-61 | 1-5 | 1.60-2.00 | 6-20 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .20 | .20 | | | |
| 147: Millerditch----- | 0-1 | 25-38 | 1.15-1.25 | 0.2-0.6 | 0.16-0.19 | 3.0-5.9 | 4.0-7.0 | .20 | .20 | 5 | 4L | 86 |
| | 1-8 | 25-40 | 1.15-1.25 | 0.2-0.6 | 0.16-0.19 | 3.0-5.9 | 4.0-7.0 | .24 | .24 | | | |
| | 8-11 | 10-30 | 1.30-1.50 | 0.6-2 | 0.12-0.20 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 11-15 | 15-25 | 1.30-1.50 | 0.6-2 | 0.12-0.20 | 0.0-2.9 | 0.5-1.0 | .37 | .37 | | | |
| | 15-29 | 10-20 | 1.30-1.50 | 0.6-2 | 0.12-0.20 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 29-45 | 0-15 | 1.55-1.70 | 2-6 | 0.08-0.12 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 45-53 | 0-10 | 1.55-1.70 | 2-6 | 0.08-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .24 | | | |
| | 53-61 | 0-15 | 1.20-1.60 | 2-6 | 0.08-0.12 | 0.0-2.9 | 1.0-3.0 | .24 | .24 | | | |
| Cookcan----- | 0-3 | 12-18 | 1.00-1.15 | 0.2-2 | 0.19-0.21 | 0.0-2.9 | 7.0-10 | .32 | .32 | 3 | 4L | 86 |
| | 3-9 | 30-45 | 1.10-1.20 | 0.06-0.6 | 0.17-0.20 | 6.0-8.9 | 4.0-7.0 | .24 | .24 | | | |
| | 9-12 | 25-35 | 1.10-1.20 | 0.2-2 | 0.18-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | | | |
| | 12-24 | 10-15 | 1.35-1.50 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 24-35 | 10-15 | 1.35-1.50 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 35-40 | 10-15 | 1.35-1.50 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 40-58 | 5-15 | 1.45-1.70 | 0.6-6 | 0.07-0.16 | 0.0-2.9 | 0.0-0.5 | .32 | .32 | | | |
| | 58-61 | 5-10 | 1.45-1.70 | 2-20 | 0.03-0.14 | 0.0-2.9 | 0.0-0.5 | .17 | .28 | | | |
| 148: Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| 149: Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| Sprollow----- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| 150: Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 150: Sprollo, dry---- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| 151: Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| Sprollo, dry---- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| 152: Nielsen----- | 0-6 | 18-22 | 1.10-1.25 | 0.6-2 | 0.11-0.15 | 3.0-5.9 | 2.0-4.0 | .15 | .24 | 1 | 7 | 38 |
| | 6-12 | 18-22 | 1.25-1.35 | 0.6-2 | 0.10-0.14 | 3.0-5.9 | 1.0-3.0 | .10 | .37 | | | |
| | 12-18 | 24-35 | 1.30-1.50 | 0.2-0.6 | 0.08-0.16 | 3.0-5.9 | 0.2-0.8 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 153: North Beach----- | 0-3 | 1-5 | 1.50-1.65 | 20-100 | 0.01-0.04 | 0.0-2.9 | 2.0-4.0 | .02 | .17 | 5 | 6 | 48 |
| | 3-22 | 1-5 | 1.50-1.70 | 20-100 | 0.01-0.04 | 0.0-2.9 | 0.0-1.0 | .02 | .24 | | | |
| | 22-41 | 1-15 | 1.55-1.75 | 2-6 | 0.09-0.16 | 0.0-2.9 | 0.0-1.0 | .55 | .55 | | | |
| | 41-50 | 1-15 | 1.55-1.75 | 2-6 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 50-60 | 1-15 | 1.55-1.70 | 2-6 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .20 | | | |
| 154: Nuffer----- | 0-2 | 12-18 | 1.35-1.45 | 0.6-2 | 0.13-0.14 | 0.0-2.9 | 3.0-5.0 | .15 | .20 | 3 | 5 | 56 |
| | 2-6 | 10-16 | 1.40-1.55 | 2-6 | 0.08-0.10 | 0.0-2.9 | 2.0-3.0 | .05 | .10 | | | |
| | 6-16 | 10-16 | 1.40-1.55 | 2-6 | 0.08-0.10 | 0.0-2.9 | 2.0-3.0 | .05 | .10 | | | |
| | 16-24 | 10-16 | 1.50-1.60 | 2-6 | 0.06-0.08 | 0.0-2.9 | 1.0-2.0 | .05 | .20 | | | |
| | 24-33 | 2-10 | 1.70-2.00 | 20-20 | 0.02-0.03 | 0.0-2.9 | 0.0-0.5 | .10 | .24 | | | |
| | 33-46 | 2-10 | 1.70-2.00 | 20-20 | 0.02-0.03 | 0.0-2.9 | 0.0-0.5 | .02 | .10 | | | |
| | 46-63 | 2-10 | 1.70-2.00 | 20-20 | 0.02-0.03 | 0.0-2.9 | 0.0-0.5 | .02 | .10 | | | |
| Blackotter----- | 0-2 | 14-18 | 1.20-1.30 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 3.0-12 | .32 | .32 | 3 | 4L | 86 |
| | 2-8 | 14-18 | 1.20-1.30 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 3.0-12 | .32 | .32 | | | |
| | 8-11 | 14-18 | 1.20-1.30 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | | | |
| | 11-20 | 14-27 | 1.30-1.40 | 0.6-2 | 0.14-0.16 | 3.0-5.9 | 0.5-1.0 | .32 | .32 | | | |
| | 20-37 | 13-18 | 1.25-1.40 | 0.6-2 | 0.13-0.15 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 37-50 | 0-5 | 1.70-2.00 | 20-20 | 0.02-0.03 | 0.0-2.9 | 0.0-0.5 | .02 | .10 | | | |
| | 50-61 | 0-5 | 1.70-2.00 | 20-20 | 0.02-0.03 | 0.0-2.9 | 0.0-0.5 | .02 | .10 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 155: Nythar----- | 0-2 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | 5 | 6 | 48 |
| | 2-10 | 18-24 | 0.75-0.95 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 3.0-6.0 | .24 | .24 | | | |
| | 10-19 | 24-35 | 0.80-1.00 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 2.0-5.0 | .37 | .37 | | | |
| | 19-29 | 28-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 29-42 | 28-35 | 1.20-1.35 | 0.2-0.6 | 0.17-0.21 | 3.0-5.9 | 0.2-1.0 | .43 | .43 | | | |
| | 42-60 | 22-35 | 1.25-1.45 | 0.2-0.6 | 0.09-0.14 | 3.0-5.9 | 0.2-1.0 | .10 | .24 | | | |
| Sagollow----- | 0-4 | 18-27 | 1.00-1.20 | 0.6-2 | 0.18-0.21 | 3.0-5.9 | 3.0-5.0 | .24 | .24 | 3 | 6 | 48 |
| | 4-12 | 20-30 | 1.10-1.25 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 2.0-5.0 | .37 | .37 | | | |
| | 12-22 | 25-35 | 1.10-1.30 | 0.2-0.6 | 0.12-0.18 | 3.0-5.9 | 1.0-3.0 | .24 | .43 | | | |
| | 22-26 | 25-35 | 1.20-1.40 | 0.2-0.6 | 0.11-0.16 | 3.0-5.9 | 0.0-1.0 | .15 | .43 | | | |
| | 26-45 | 25-35 | 1.20-1.40 | 0.2-0.6 | 0.11-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .32 | | | |
| | 45-60 | 25-45 | 1.20-1.40 | 0.06-0.2 | 0.07-0.13 | 6.0-8.9 | 0.0-0.5 | .02 | .32 | | | |
| 156: Ovidcreek----- | 0-2 | 12-18 | 1.30-1.45 | 0.6-2 | 0.17-0.20 | 2.2-3.2 | 2.0-4.0 | .49 | .49 | 2 | 4L | 86 |
| | 2-5 | 12-18 | 1.30-1.45 | 0.6-2 | 0.17-0.20 | 2.2-3.2 | 1.5-3.0 | .55 | .55 | | | |
| | 5-11 | 30-35 | 1.35-1.55 | 0.06-0.2 | 0.09-0.15 | 5.4-7.0 | 1.0-2.0 | .43 | .43 | | | |
| | 11-17 | 30-35 | 1.35-1.55 | 0.06-0.2 | 0.09-0.15 | 5.4-7.0 | 0.5-1.2 | .43 | .43 | | | |
| | 17-24 | 15-28 | 1.40-1.55 | 0.6-2 | 0.12-0.17 | 3.0-4.7 | 0.0-0.5 | .55 | .55 | | | |
| | 24-38 | 30-38 | 1.40-1.55 | 0.2-0.6 | 0.15-0.19 | 5.4-6.8 | 0.2-1.0 | .43 | .43 | | | |
| | 38-61 | 15-30 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 2.7-5.4 | 0.0-0.5 | .49 | .49 | | | |
| | 61-67 | 3-15 | 1.40-1.80 | 2-6 | 0.10-0.16 | 0.5-2.7 | 0.0-0.2 | .64 | .64 | | | |
| 157: Parding----- | 0-5 | 10-18 | 1.30-1.45 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 5 | 56 |
| | 5-14 | 10-18 | 1.30-1.45 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 14-22 | 8-18 | 1.35-1.55 | 0.6-2 | 0.14-0.16 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 22-27 | 8-18 | 1.35-1.55 | 0.6-2 | 0.14-0.16 | 0.0-2.9 | 0.0-0.5 | .32 | .43 | | | |
| | 27-36 | 8-18 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 36-48 | 8-18 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 48-60 | 8-18 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 0.0-2.9 | 0.0-0.5 | .17 | .28 | | | |
| Firading----- | 0-4 | 10-18 | 1.25-1.45 | 0.6-2 | 0.12-0.14 | 0.0-2.9 | 2.0-4.0 | .20 | .32 | 2 | 6 | 48 |
| | 4-11 | 15-18 | 1.35-1.50 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 11-18 | 8-18 | 1.35-1.50 | 0.6-6 | 0.07-0.10 | 0.0-2.9 | 0.8-1.5 | .05 | .24 | | | |
| | 18-28 | 8-18 | 1.35-1.50 | 0.6-6 | 0.07-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 28-39 | 8-18 | 1.35-1.50 | 0.6-6 | 0.07-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 39-60 | — | — | — | — | — | — | — | — | | | |
| Hagenbarth----- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 158: Parding, dry---- | 0-5 | 10-18 | 1.30-1.45 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 5 | 56 |
| | 5-14 | 10-18 | 1.30-1.45 | 0.6-2 | 0.18-0.20 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 14-22 | 8-18 | 1.35-1.55 | 0.6-2 | 0.14-0.16 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 22-27 | 8-18 | 1.35-1.55 | 0.6-2 | 0.14-0.16 | 0.0-2.9 | 0.0-0.5 | .32 | .43 | | | |
| | 27-36 | 8-18 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 36-48 | 8-18 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 48-60 | 8-18 | 1.40-1.55 | 0.6-2 | 0.09-0.15 | 0.0-2.9 | 0.0-0.5 | .17 | .28 | | | |
| Firading, dry---- | 0-4 | 10-18 | 1.25-1.45 | 0.6-2 | 0.12-0.14 | 0.0-2.9 | 2.0-4.0 | .20 | .32 | 2 | 6 | 48 |
| | 4-11 | 15-18 | 1.35-1.50 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 11-18 | 8-18 | 1.35-1.50 | 0.6-6 | 0.07-0.10 | 0.0-2.9 | 0.8-1.5 | .05 | .24 | | | |
| | 18-28 | 8-18 | 1.35-1.50 | 0.6-6 | 0.07-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 28-39 | 8-18 | 1.35-1.50 | 0.6-6 | 0.07-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 39-60 | — | — | — | — | — | — | — | — | | | |
| Hagenbarth, dry-- | 0-3 | 14-18 | 1.20-1.40 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 3-13 | 14-18 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 13-20 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 20-44 | 18-27 | 1.20-1.40 | 0.6-2 | 0.14-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 44-61 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.15-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 159: Pegram----- | 0-6 | 12-18 | 1.20-1.30 | 0.2-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 3 | 5 | 56 |
| | 6-14 | 24-31 | 1.30-1.40 | 0.06-0.6 | 0.13-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 14-21 | 28-35 | 1.30-1.40 | 0.06-0.6 | 0.13-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | | | |
| | 21-28 | 28-35 | 1.30-1.40 | 0.06-0.6 | 0.13-0.21 | 3.0-5.9 | 2.0-4.0 | .20 | .32 | | | |
| | 28-39 | 28-35 | 1.30-1.45 | 0.2-0.6 | 0.09-0.12 | 3.0-5.9 | 1.0-2.0 | .17 | .37 | | | |
| | 39-50 | 18-28 | 1.35-1.60 | 0.2-0.6 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .02 | .37 | | | |
| | 50-61 | 2-12 | 1.40-1.80 | 2-20 | 0.03-0.07 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| 160: Pinegap----- | 0-2 | 12-17 | 1.20-1.40 | 0.6-2 | 0.09-0.11 | 0.0-2.9 | 2.0-4.0 | .10 | .28 | 2 | 7 | 38 |
| | 2-6 | 14-20 | 1.20-1.35 | 0.6-2 | 0.11-0.14 | 0.0-2.9 | 1.0-3.0 | .15 | .28 | | | |
| | 6-15 | 18-30 | 1.20-1.40 | 0.6-2 | 0.09-0.11 | 0.0-2.9 | 0.5-1.0 | .15 | .32 | | | |
| | 15-25 | 18-30 | 1.20-1.40 | 0.6-2 | 0.09-0.11 | 0.0-2.9 | 0.5-1.0 | .15 | .32 | | | |
| | 25-50 | 15-25 | 1.30-1.50 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .24 | .37 | | | |
| | 50-55 | 15-25 | 1.30-1.50 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .10 | .24 | | | |
| | 55-60 | — | — | — | — | — | — | — | — | | | |
| Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| 161: Pinehollow----- | 0-2 | 18-23 | 1.00-1.20 | 0.6-2 | 0.13-0.17 | 0.0-2.9 | 3.0-5.0 | .10 | .32 | 2 | 8 | 0 |
| | 2-7 | 18-25 | 1.00-1.25 | 0.6-2 | 0.13-0.17 | 0.0-2.9 | 3.0-5.0 | .10 | .32 | | | |
| | 7-16 | 25-34 | 1.20-1.45 | 0.2-0.6 | 0.13-0.19 | 2.9-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 16-22 | 25-34 | 1.20-1.45 | 0.2-0.6 | 0.13-0.19 | 2.9-5.9 | 0.0-1.0 | .17 | .37 | | | |
| | 22-26 | 23-30 | 1.20-1.50 | 0.6-2 | 0.11-0.19 | 2.9-5.9 | 0.0-0.5 | .15 | .37 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Ant Flat----- | 0-2 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 2-5 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .24 | .37 | | | |
| | 5-9 | 30-38 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-3.0 | .20 | .37 | | | |
| | 9-25 | 35-55 | 1.35-1.50 | 0.06-0.2 | 0.13-0.15 | 6.0-8.9 | 0.5-1.0 | .15 | .24 | | | |
| | 25-38 | 32-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .15 | .24 | | | |
| | 38-60 | 25-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| Sheep Creek----- | 0-5 | 10-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 2.0-5.0 | .05 | .10 | 2 | 5 | 56 |
| | 5-11 | 10-25 | 1.10-1.40 | 0.6-2 | 0.07-0.18 | 3.0-5.9 | 1.0-4.0 | .17 | .37 | | | |
| | 11-21 | 14-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 1.0-2.0 | .10 | .32 | | | |
| | 21-33 | 10-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 0.0-1.0 | .10 | .32 | | | |
| | 33-38 | 14-25 | 1.20-1.60 | 0.6-2 | 0.05-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 38-60 | — | — | — | — | — | — | — | — | | | |
| 162: Pits, gravel. | | | | | | | | | | | | |
| 163: Pontuge----- | 0-3 | 10-22 | 1.10-1.30 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 3.0-5.0 | .32 | .32 | 3 | 5 | 56 |
| | 3-10 | 10-22 | 1.15-1.30 | 0.6-2 | 0.16-0.19 | 0.0-2.9 | 2.0-4.0 | .24 | .43 | | | |
| | 10-17 | 18-30 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 1.0-2.0 | .28 | .43 | | | |
| | 17-21 | 18-30 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 1.0-2.0 | .20 | .37 | | | |
| | 21-24 | 12-20 | 1.40-1.55 | 0.6-2 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .24 | .43 | | | |
| | 24-42 | 8-18 | 1.45-1.60 | 2-6 | 0.05-0.10 | 0.0-2.9 | 0.0-0.4 | .05 | .24 | | | |
| | 42-60 | 3-13 | 1.55-1.70 | 20-100 | 0.02-0.06 | 0.0-2.9 | 0.0-0.0 | .02 | .24 | | | |
| Cokeville----- | 0-2 | 15-23 | 1.15-1.25 | 0.6-2 | 0.11-0.14 | 1.0-2.9 | 1.0-3.0 | .17 | .32 | 4 | 6 | 48 |
| | 2-5 | 15-23 | 1.25-1.35 | 0.6-2 | 0.12-0.15 | 1.0-2.9 | 1.0-2.0 | .32 | .49 | | | |
| | 5-9 | 27-35 | 1.25-1.35 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.8 | .20 | .32 | | | |
| | 9-15 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .20 | .37 | | | |
| | 15-31 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 31-43 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 43-56 | 34-40 | 1.30-1.40 | 0.2-0.6 | 0.16-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | .32 | | | |
| | 56-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 164: Preussrange----- | 0-4 | 8-15 | 1.20-1.40 | 0.6-2 | 0.14-0.19 | 0.0-2.9 | 0.5-1.0 | .32 | .55 | 3 | 5 | 56 |
| | 4-9 | 18-26 | 1.40-1.50 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-0.5 | .20 | .43 | | | |
| | 9-13 | 25-34 | 1.40-1.50 | 0.6-2 | 0.09-0.15 | 3.0-5.9 | 0.0-0.5 | .15 | .43 | | | |
| | 13-17 | 27-32 | 1.40-1.50 | 0.6-2 | 0.09-0.15 | 3.0-5.9 | 0.0-0.5 | .10 | .43 | | | |
| | 17-25 | 27-32 | 1.50-1.70 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.5-1.0 | .05 | .43 | | | |
| | 25-60 | — | — | — | — | — | — | — | — | | | |
| Halfcircle----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 4 | 5 | 56 |
| | 1-7 | 12-22 | 1.10-1.20 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 2.0-6.0 | .43 | .43 | | | |
| | 7-16 | 24-32 | 1.20-1.40 | 0.2-0.6 | 0.17-0.21 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 16-22 | 18-24 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 22-42 | 18-24 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 42-60 | — | — | — | — | — | — | — | — | | | |
| 165: Prucree----- | 0-2 | 12-17 | 1.35-1.45 | 2-6 | 0.09-0.11 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 3 | 86 |
| | 2-10 | 12-17 | 1.35-1.45 | 2-6 | 0.09-0.11 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | | | |
| | 10-19 | 12-17 | 1.30-1.50 | 2-6 | 0.09-0.15 | 0.0-2.9 | 1.0-3.0 | .20 | .20 | | | |
| | 19-28 | 12-17 | 1.35-1.50 | 2-6 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .20 | .20 | | | |
| | 28-29 | — | — | — | — | — | — | — | — | | | |
| | 29-60 | — | — | — | — | — | — | — | — | | | |
| Dipcreek----- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 166: Raynal----- | 0-10 | 28-35 | 1.10-1.15 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 4.0-7.0 | .28 | .28 | 5 | 4L | 86 |
| | 10-22 | 25-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .32 | .32 | | | |
| | 22-29 | 25-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 29-35 | 25-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 35-40 | 22-35 | 1.25-1.40 | 0.2-2 | 0.18-0.21 | 3.0-5.9 | 0.5-2.0 | .43 | .43 | | | |
| | 40-46 | 22-35 | 1.25-1.40 | 0.2-2 | 0.18-0.21 | 3.0-5.9 | 0.5-2.0 | .43 | .43 | | | |
| | 46-60 | 12-25 | 1.25-1.55 | 0.6-6 | 0.13-0.19 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| 167: Raynal----- | 0-10 | 28-35 | 1.10-1.15 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 4.0-7.0 | .28 | .28 | 5 | 4L | 86 |
| | 10-22 | 25-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .32 | .32 | | | |
| | 22-29 | 25-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 29-35 | 25-35 | 1.20-1.30 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 35-40 | 22-35 | 1.25-1.40 | 0.2-2 | 0.18-0.21 | 3.0-5.9 | 0.5-2.0 | .43 | .43 | | | |
| | 40-46 | 22-35 | 1.25-1.40 | 0.2-2 | 0.18-0.21 | 3.0-5.9 | 0.5-2.0 | .43 | .43 | | | |
| | 46-60 | 12-25 | 1.25-1.55 | 0.6-6 | 0.13-0.19 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| Lago----- | 0-8 | 18-26 | 1.15-1.25 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 3.0-4.0 | .43 | .43 | 5 | 4L | 86 |
| | 8-13 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-19 | 18-26 | 1.20-1.30 | 0.6-2 | 0.18-0.19 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 19-29 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 29-38 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 38-45 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 45-55 | 22-35 | 1.35-1.45 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.0-0.5 | .49 | .49 | | | |
| | 55-60 | 10-26 | 1.35-1.60 | 0.6-6 | 0.11-0.19 | 0.0-2.9 | 0.0-0.5 | .24 | .24 | | | |
| 168: Ream----- | 0-3 | 14-20 | 1.20-1.40 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 3 | 5 | 56 |
| | 3-13 | 14-20 | 1.20-1.40 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | | | |
| | 13-19 | 14-26 | 1.30-1.50 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 19-24 | 14-26 | 1.30-1.50 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 24-29 | 14-26 | 1.30-1.50 | 0.6-2 | 0.15-0.18 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 29-34 | 5-15 | 1.45-1.60 | 2-6 | 0.08-0.11 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 34-50 | 1-5 | 1.60-2.00 | 6-20 | 0.03-0.05 | 0.0-2.9 | 0.0-0.5 | .05 | .20 | | | |
| | 50-61 | 1-5 | 1.60-2.00 | 6-20 | 0.03-0.05 | 0.0-2.9 | 0.0-0.5 | .02 | .05 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 168: Merkley----- | 0-2 | 12-22 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 3 | 4L | 86 |
| | 2-12 | 12-22 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 12-20 | 12-25 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | | | |
| | 20-28 | 12-18 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .49 | .49 | | | |
| | 28-36 | 12-18 | 1.30-1.50 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-2.0 | .55 | .55 | | | |
| | 36-40 | 10-17 | 1.50-1.60 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 40-53 | 3-12 | 1.55-1.70 | 2-6 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .32 | .32 | | | |
| | 53-56 | 3-12 | 1.55-1.70 | 2-6 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .28 | .28 | | | |
| | 56-61 | 1-5 | 1.60-2.00 | 6-20 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .20 | .20 | | | |
| 169: Redpine----- | 0-4 | 16-20 | 1.10-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 3 | 5 | 56 |
| | 4-10 | 16-20 | 1.20-1.45 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 10-16 | 27-33 | 1.25-1.50 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 0.2-0.8 | .32 | .32 | | | |
| | 16-22 | 27-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.19 | 3.0-5.9 | 0.0-0.5 | .32 | .32 | | | |
| | 22-26 | 20-28 | 1.30-1.50 | 0.6-2 | 0.13-0.19 | 3.0-5.9 | 0.0-0.2 | .32 | .32 | | | |
| | 26-60 | | | | | | | | | | | |
| Draney----- | 0-6 | 15-18 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 1.5-2.5 | .20 | .28 | 2 | 4L | 86 |
| | 6-12 | 16-22 | 1.20-1.35 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .24 | .37 | | | |
| | 12-18 | 16-22 | 1.30-1.50 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.5-1.5 | .37 | .37 | | | |
| | 18-60 | | | | | | | | | | | |
| Brushtop----- | 0-6 | 18-21 | 1.10-1.35 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 4 | 5 | 56 |
| | 6-12 | 18-24 | 1.20-1.40 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | | | |
| | 12-19 | 25-33 | 1.25-1.45 | 0.6-2 | 0.16-0.20 | 3.0-5.9 | 1.0-3.0 | .32 | .32 | | | |
| | 19-26 | 25-33 | 1.30-1.50 | 0.2-0.6 | 0.15-0.20 | 3.0-5.9 | 0.5-1.0 | .24 | .32 | | | |
| | 26-43 | 30-38 | 1.30-1.50 | 0.2-0.6 | 0.15-0.20 | 3.0-5.9 | 0.0-0.8 | .20 | .28 | | | |
| | 43-60 | | | | | | | | | | | |
| 170: Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 171: Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 172: Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 173: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Kucera----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |
| 174: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Kucera----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |
| 175: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Kucera----- | 0-6 | 10-17 | 1.10-1.25 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 2.0-3.0 | .49 | .49 | 5 | 5 | 56 |
| | 6-16 | 10-17 | 1.10-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-3.0 | .49 | .49 | | | |
| | 16-26 | 10-17 | 1.20-1.30 | 0.9-2 | 0.19-0.21 | 0.0-2.9 | 1.5-2.5 | .49 | .49 | | | |
| | 26-34 | 10-17 | 1.20-1.30 | 0.7-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 34-44 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.3 | .64 | .64 | | | |
| | 44-60 | 8-17 | 1.20-1.30 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.2 | .64 | .64 | | | |
| 176: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Ririe----- | 0-7 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-14 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 14-19 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 19-33 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 33-45 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 45-60 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 177: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 177: | | | | | | | | | | | | |
| Ririe----- | 0-7 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-14 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 14-19 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 19-33 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 33-45 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 45-60 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 178: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Ririe----- | 0-7 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-14 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 14-19 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 19-33 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 33-45 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 45-60 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 179: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Watercanyon----- | 0-4 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | 5 | 4L | 86 |
| | 4-11 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 11-23 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 23-32 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 32-60 | 8-18 | 1.20-1.40 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 180: | | | | | | | | | | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 181: | | | | | | | | | | | | |
| Richollow----- | 0-7 | 12-20 | 1.00-1.20 | 2-6 | 0.11-0.14 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 1 | 4L | 86 |
| | 7-13 | 8-16 | 1.20-1.50 | 2-6 | 0.04-0.13 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-60 | — | — | — | — | — | — | — | — | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 182: | | | | | | | | | | | | |
| Richollow----- | 0-7 | 12-20 | 1.00-1.20 | 2-6 | 0.11-0.14 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 1 | 4L | 86 |
| | 7-13 | 8-16 | 1.20-1.50 | 2-6 | 0.04-0.13 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 182: Ledgehollow----- | 0-4 | 16-20 | 1.20-1.40 | 0.6-2 | 0.14-0.18 | 0.0-2.9 | 2.0-4.0 | .20 | .32 | 2 | 6 | 48 |
| | 4-9 | 20-28 | 1.25-1.45 | 0.2-0.6 | 0.13-0.20 | 3.0-5.9 | 1.0-3.0 | .24 | .32 | | | |
| | 9-15 | 20-30 | 1.30-1.50 | 0.2-0.6 | 0.13-0.19 | 3.0-5.9 | 0.5-1.0 | .24 | .37 | | | |
| | 15-60 | — | — | — | — | — | — | — | — | | | |
| 183: Ririe----- | 0-7 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-14 | 15-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | | | |
| | 14-19 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 19-33 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 33-45 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 45-60 | 12-18 | 1.50-1.60 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| Iphil----- | 0-5 | 7-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | 5 | 4L | 86 |
| | 5-13 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-30 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 30-45 | 10-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 45-52 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 52-60 | 10-18 | 1.20-1.30 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 0.2-0.8 | .55 | .55 | | | |
| 184: Sadducee----- | 0-6 | 5-10 | 1.25-1.40 | 6-20 | 0.05-0.08 | 0.0-2.9 | 4.0-6.0 | .20 | .20 | 5 | 2 | 134 |
| | 6-10 | 10-20 | 1.25-1.45 | 2-6 | 0.07-0.20 | 2.9-5.9 | 2.0-4.0 | .10 | .24 | | | |
| | 10-17 | 20-35 | 1.20-1.50 | 0.6-2 | 0.12-0.20 | 2.9-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 17-25 | 20-35 | 1.20-1.50 | 0.6-2 | 0.12-0.20 | 2.9-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 25-49 | 20-35 | 1.35-1.50 | 0.6-2 | 0.12-0.20 | 2.9-5.9 | 0.0-0.5 | .43 | .43 | | | |
| | 49-60 | 14-24 | 1.30-1.50 | 2-6 | 0.09-0.20 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| Bearbeach----- | 0-3 | 10-35 | 0.10-0.30 | 0.6-2 | 0.30-0.60 | — | 75-95 | .02 | .02 | 2 | 2 | 134 |
| | 3-6 | 12-18 | 0.75-0.90 | 2-6 | 0.14-0.16 | 0.0-2.9 | 10-15 | .17 | .17 | | | |
| | 6-15 | 2-10 | 1.40-1.65 | 20-100 | 0.02-0.05 | 0.0-2.9 | 1.0-2.0 | .05 | .10 | | | |
| | 15-60 | 2-10 | 1.45-1.65 | 20-100 | 0.01-0.03 | 0.0-2.9 | 0.0-0.8 | .02 | .15 | | | |
| 185: Sheep Creek, dry-- | 0-5 | 10-25 | 1.20-1.40 | 0.6-2 | 0.08-0.12 | 3.0-5.9 | 2.0-5.0 | .05 | .10 | 2 | 5 | 56 |
| | 5-11 | 10-25 | 1.10-1.40 | 0.6-2 | 0.07-0.18 | 3.0-5.9 | 1.0-4.0 | .17 | .37 | | | |
| | 11-21 | 14-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 1.0-2.0 | .10 | .32 | | | |
| | 21-33 | 10-35 | 1.25-1.50 | 0.6-2 | 0.07-0.14 | 3.0-5.9 | 0.0-1.0 | .10 | .32 | | | |
| | 33-38 | 14-25 | 1.20-1.60 | 0.6-2 | 0.05-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .37 | | | |
| | 38-60 | — | — | — | — | — | — | — | — | | | |
| Taylow, dry----- | 0-6 | 18-25 | 1.20-1.40 | 0.6-2 | 0.13-0.16 | 3.0-5.9 | 3.0-5.0 | .20 | .20 | 1 | 6 | 48 |
| | 6-13 | 18-27 | 1.20-1.50 | 0.6-2 | 0.09-0.16 | 3.0-5.9 | 1.0-3.0 | .32 | .32 | | | |
| | 13-60 | — | — | — | — | — | — | — | — | | | |
| Dry Canyon, dry-- | 0-3 | 15-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .20 | .20 | 4 | 5 | 56 |
| | 3-10 | 18-30 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 10-18 | 18-30 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .43 | .43 | | | |
| | 18-25 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 25-38 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| | 38-48 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .24 | .37 | | | |
| | 48-53 | 16-22 | 1.30-1.55 | 0.2-0.6 | 0.09-0.19 | 3.0-5.9 | 0.0-0.2 | .43 | .43 | | | |
| | 53-60 | — | — | — | — | — | — | — | — | | | |
| 186: Slights----- | 0-5 | 18-22 | 1.10-1.20 | 0.6-2 | 0.15-0.21 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 5-12 | 18-22 | 1.10-1.20 | 0.6-2 | 0.15-0.21 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 12-20 | 35-50 | 1.10-1.40 | 0.06-0.2 | 0.13-0.18 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 20-39 | 40-55 | 1.25-1.40 | 0.0015-0.2 | 0.13-0.15 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| | 39-60 | 40-55 | 1.25-1.40 | 0.0015-0.2 | 0.13-0.15 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 187: | | | | | | | | | | | | |
| Springhollow----- | 0-3 | 12-18 | 1.20-1.30 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 1.0-2.0 | .24 | .37 | 2 | 5 | 56 |
| | 3-11 | 12-18 | 1.20-1.30 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 11-19 | 12-18 | 1.25-1.40 | 0.6-2 | 0.13-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 19-29 | 12-18 | 1.50-1.70 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 29-36 | 12-18 | 1.50-1.70 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .28 | .49 | | | |
| | 36-40 | — | — | 0.0015-0.06 | — | — | — | — | — | | | |
| Arbone----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 188: | | | | | | | | | | | | |
| Springhollow, dry | 0-3 | 12-18 | 1.20-1.30 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 1.0-2.0 | .24 | .37 | 2 | 5 | 56 |
| | 3-11 | 12-18 | 1.20-1.30 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 11-19 | 12-18 | 1.25-1.40 | 0.6-2 | 0.13-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 19-29 | 12-18 | 1.50-1.70 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| | 29-36 | 12-18 | 1.50-1.70 | 0.6-2 | 0.10-0.16 | 0.0-2.9 | 0.0-0.5 | .28 | .49 | | | |
| | 36-40 | — | — | 0.0015-0.06 | — | — | — | — | — | | | |
| Arbone, dry----- | 0-5 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | 5 | 5 | 56 |
| | 5-9 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 9-18 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 1.0-2.0 | .49 | .49 | | | |
| | 18-34 | 13-18 | 1.30-1.50 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.5-1.0 | .49 | .49 | | | |
| | 34-60 | 13-18 | 1.35-1.55 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 0.5-1.0 | .24 | .49 | | | |
| 189: | | | | | | | | | | | | |
| Sprowlow----- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| 190: | | | | | | | | | | | | |
| Sprowlow, dry---- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| 191: | | | | | | | | | | | | |
| Sprowlow----- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 191: Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| 192: Sprollo, dry---- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| Mumford----- | 0-3 | 12-18 | 1.20-1.35 | 0.6-2 | 0.09-0.12 | 0.0-2.9 | 1.0-2.0 | .17 | .49 | 1 | 6 | 48 |
| | 3-6 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .20 | .55 | | | |
| | 6-12 | 10-16 | 1.25-1.45 | 0.6-2 | 0.08-0.12 | 0.0-2.9 | 0.0-0.5 | .17 | .55 | | | |
| | 12-17 | 10-16 | 1.30-1.45 | 0.6-2 | 0.05-0.12 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 17-60 | — | — | — | — | — | — | — | — | | | |
| 193: Sprollo----- | 0-2 | 12-15 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-3.0 | .15 | .28 | 2 | 5 | 56 |
| | 2-7 | 12-15 | 1.20-1.35 | 0.6-2 | 0.10-0.12 | 0.0-2.9 | 0.5-1.0 | .24 | .43 | | | |
| | 7-16 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .17 | .49 | | | |
| | 16-24 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .10 | .28 | | | |
| | 24-34 | 7-15 | 1.30-1.45 | 0.6-2 | 0.05-0.10 | 0.0-2.9 | 0.0-0.5 | .02 | .28 | | | |
| | 34-60 | — | — | — | — | — | — | — | — | | | |
| Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| Lonjon----- | 0-3 | 10-18 | 1.20-1.30 | 0.6-2 | 0.08-0.11 | 0.0-2.9 | 2.0-3.0 | .10 | .32 | 2 | 6 | 48 |
| | 3-12 | 10-18 | 1.25-1.35 | 0.6-2 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .15 | .37 | | | |
| | 12-26 | 10-18 | 1.35-1.45 | 0.6-2 | 0.06-0.09 | 0.0-2.9 | 0.0-0.5 | .10 | .43 | | | |
| | 26-60 | — | — | — | — | — | — | — | — | | | |
| 194: Streek----- | 0-5 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-11 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 11-16 | 28-40 | 1.10-1.20 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 16-45 | 35-60 | 1.10-1.40 | 0.06-0.2 | 0.16-0.20 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 45-60 | 35-60 | 1.10-1.40 | 0.0015-0.2 | 0.16-0.20 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| Cleavage----- | 0-2 | 10-20 | 1.10-1.25 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 1 | 5 | 56 |
| | 2-6 | 10-20 | 1.12-1.30 | 0.6-2 | 0.11-0.17 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 6-9 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.5-0.8 | .15 | .37 | | | |
| | 9-14 | 24-35 | 1.35-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.2-0.6 | .10 | .37 | | | |
| | 14-60 | — | — | — | — | — | — | — | — | | | |
| 195: Streek, moist---- | 0-5 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-11 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 11-16 | 28-40 | 1.10-1.20 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 16-45 | 35-60 | 1.10-1.40 | 0.06-0.2 | 0.16-0.20 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 45-60 | 35-60 | 1.10-1.40 | 0.0015-0.2 | 0.16-0.20 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| Streek----- | 0-5 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-11 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 11-16 | 28-40 | 1.10-1.20 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 16-45 | 35-60 | 1.10-1.40 | 0.06-0.2 | 0.16-0.20 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 45-60 | 35-60 | 1.10-1.40 | 0.0015-0.2 | 0.16-0.20 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 195: Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| 196: Streek----- | 0-5 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-11 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 11-16 | 28-40 | 1.10-1.20 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 16-45 | 35-60 | 1.10-1.40 | 0.06-0.2 | 0.16-0.20 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 45-60 | 35-60 | 1.10-1.40 | 0.0015-0.2 | 0.16-0.20 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| 197: Streek----- | 0-5 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 5-11 | 18-27 | 1.10-1.20 | 0.6-2 | 0.18-0.23 | 3.0-5.9 | 2.0-4.0 | .43 | .43 | | | |
| | 11-16 | 28-40 | 1.10-1.20 | 0.2-0.6 | 0.16-0.20 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 16-45 | 35-60 | 1.10-1.40 | 0.06-0.2 | 0.16-0.20 | 6.0-8.9 | 0.0-0.5 | .37 | .37 | | | |
| | 45-60 | 35-60 | 1.10-1.40 | 0.0015-0.2 | 0.16-0.20 | 6.0-12.0 | 0.0-0.2 | .32 | .32 | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| Sagollow----- | 0-4 | 18-27 | 1.00-1.20 | 0.6-2 | 0.18-0.21 | 3.0-5.9 | 3.0-5.0 | .24 | .24 | 3 | 6 | 48 |
| | 4-12 | 20-30 | 1.10-1.25 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 2.0-5.0 | .37 | .37 | | | |
| | 12-22 | 25-35 | 1.10-1.30 | 0.2-0.6 | 0.12-0.18 | 3.0-5.9 | 1.0-3.0 | .24 | .43 | | | |
| | 22-26 | 25-35 | 1.20-1.40 | 0.2-0.6 | 0.11-0.16 | 3.0-5.9 | 0.0-1.0 | .15 | .43 | | | |
| | 26-45 | 25-35 | 1.20-1.40 | 0.2-0.6 | 0.11-0.16 | 3.0-5.9 | 0.0-0.5 | .05 | .32 | | | |
| | 45-60 | 25-45 | 1.20-1.40 | 0.06-0.2 | 0.07-0.13 | 6.0-8.9 | 0.0-0.5 | .02 | .32 | | | |
| 198: Suryon----- | 0-4 | 12-17 | 1.25-1.35 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 5 | 5 | 56 |
| | 4-10 | 12-17 | 1.25-1.35 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | | | |
| | 10-17 | 12-17 | 1.30-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 17-29 | 12-17 | 1.30-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 29-38 | 12-17 | 1.30-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 38-49 | 10-15 | 1.40-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 49-60 | 10-15 | 1.40-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .43 | | | |
| 199: Swan Flat----- | 0-5 | 18-24 | 1.00-1.10 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 3.0-5.0 | .28 | .28 | 3 | 6 | 48 |
| | 5-9 | 18-24 | 1.00-1.20 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | | | |
| | 9-15 | 10-17 | 1.20-1.35 | 2-6 | 0.11-0.18 | 0.0-2.9 | 1.0-3.0 | .24 | .43 | | | |
| | 15-30 | 10-17 | 1.20-1.45 | 2-6 | 0.08-0.15 | 0.0-2.9 | 0.0-0.5 | .20 | .49 | | | |
| | 30-56 | 10-17 | 1.20-1.55 | 2-6 | 0.08-0.15 | 0.0-2.9 | 0.0-0.2 | .15 | .49 | | | |
| | 56-60 | 10-17 | 1.20-1.55 | 2-6 | 0.05-0.16 | 0.0-2.9 | 0.0-0.2 | .17 | .49 | | | |
| Dranburn----- | 0-2 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 5 | 6 | 48 |
| | 2-11 | 16-22 | 0.90-1.50 | 0.6-2 | 0.18-0.21 | 0.0-2.9 | 2.0-5.0 | .32 | .32 | | | |
| | 11-17 | 16-22 | 1.00-1.20 | 0.6-2 | 0.17-0.20 | 0.0-2.9 | 1.0-3.5 | .37 | .37 | | | |
| | 17-28 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.5-1.5 | .43 | .43 | | | |
| | 28-38 | 28-34 | 1.20-1.40 | 0.2-0.6 | 0.16-0.21 | 3.0-5.9 | 0.2-0.8 | .43 | .43 | | | |
| | 38-60 | 18-24 | 1.15-1.30 | 0.6-2 | 0.17-0.21 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 200: | | | | | | | | | | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| 201: | | | | | | | | | | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| Ant Flat----- | 0-2 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 2-5 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .24 | .37 | | | |
| | 5-9 | 30-38 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-3.0 | .20 | .37 | | | |
| | 9-25 | 35-55 | 1.35-1.50 | 0.06-0.2 | 0.13-0.15 | 6.0-8.9 | 0.5-1.0 | .15 | .24 | | | |
| | 25-38 | 32-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .15 | .24 | | | |
| | 38-60 | 25-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| 202: | | | | | | | | | | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| Cloudless----- | 0-4 | 15-18 | 0.90-1.15 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .37 | .37 | 5 | 5 | 56 |
| | 4-8 | 15-18 | 1.00-1.20 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .37 | .37 | | | |
| | 8-14 | 22-30 | 1.15-1.30 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.2-0.8 | .49 | .49 | | | |
| | 14-32 | 22-30 | 1.20-1.40 | 0.2-0.6 | 0.17-0.19 | 3.0-5.9 | 0.2-0.5 | .49 | .49 | | | |
| | 32-60 | 22-30 | 1.20-1.45 | 0.2-0.6 | 0.16-0.19 | 3.0-5.9 | 0.0-0.2 | .28 | .49 | | | |
| 203: | | | | | | | | | | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| Dutchcanyon----- | 0-7 | 12-18 | 1.15-1.20 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 2 | 5 | 56 |
| | 7-13 | 14-20 | 1.20-1.30 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-27 | 12-18 | 1.20-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 27-61 | 12-18 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 204: | | | | | | | | | | | | |
| Swanpeak----- | 0-6 | 20-26 | 1.15-1.25 | 0.6-2 | 0.10-0.13 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 3 | 7 | 38 |
| | 6-15 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.13-0.17 | 3.0-5.9 | 1.0-3.0 | .37 | .37 | | | |
| | 15-18 | 30-35 | 1.30-1.40 | 0.06-0.2 | 0.11-0.13 | 3.0-5.9 | 1.0-2.0 | .17 | .32 | | | |
| | 18-24 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 24-35 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .24 | | | |
| | 35-60 | 35-55 | 1.40-1.50 | 0.06-0.2 | 0.06-0.08 | 6.0-8.9 | 0.5-1.0 | .05 | .24 | | | |
| Dutchcanyon----- | 0-7 | 12-18 | 1.15-1.20 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .43 | 2 | 5 | 56 |
| | 7-13 | 14-20 | 1.20-1.30 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | | | |
| | 13-27 | 12-18 | 1.20-1.30 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 27-61 | 12-18 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Ant Flat----- | 0-2 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .28 | .28 | 5 | 6 | 48 |
| | 2-5 | 28-34 | 1.20-1.30 | 0.06-0.2 | 0.16-0.18 | 3.0-5.9 | 2.0-4.0 | .24 | .37 | | | |
| | 5-9 | 30-38 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 1.0-3.0 | .20 | .37 | | | |
| | 9-25 | 35-55 | 1.35-1.50 | 0.06-0.2 | 0.13-0.15 | 6.0-8.9 | 0.5-1.0 | .15 | .24 | | | |
| | 25-38 | 32-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .15 | .24 | | | |
| | 38-60 | 25-45 | 1.35-1.45 | 0.06-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 205: Thatcher----- | 0-10 | 16-26 | 1.35-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 6 | 48 |
| | 10-19 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .43 | .43 | | | |
| | 19-28 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-1.5 | .43 | .43 | | | |
| | 28-42 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 42-60 | 18-32 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.2-0.8 | .49 | .49 | | | |
| 206: Thatcher, dry---- | 0-10 | 16-26 | 1.35-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 6 | 48 |
| | 10-19 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .43 | .43 | | | |
| | 19-28 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-1.5 | .43 | .43 | | | |
| | 28-42 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 42-60 | 18-32 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.2-0.8 | .49 | .49 | | | |
| 207: Thatcher----- | 0-10 | 16-26 | 1.35-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 6 | 48 |
| | 10-19 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .43 | .43 | | | |
| | 19-28 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-1.5 | .43 | .43 | | | |
| | 28-42 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 42-60 | 18-32 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.2-0.8 | .49 | .49 | | | |
| Church Springs--- | 0-2 | 18-24 | 0.95-1.20 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 2.0-4.0 | .32 | .32 | 5 | 5 | 56 |
| | 2-11 | 18-24 | 1.10-1.25 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 1.0-3.0 | .43 | .43 | | | |
| | 11-21 | 28-35 | 1.25-1.40 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 21-30 | 28-35 | 1.25-1.40 | 0.2-0.6 | 0.18-0.21 | 3.0-5.9 | 0.2-0.8 | .37 | .37 | | | |
| | 30-60 | 18-28 | 1.20-1.50 | 0.2-2 | 0.15-0.20 | 3.0-5.9 | 0.2-0.4 | .43 | .43 | | | |
| 208: Thatcher----- | 0-10 | 16-26 | 1.35-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 6 | 48 |
| | 10-19 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .43 | .43 | | | |
| | 19-28 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-1.5 | .43 | .43 | | | |
| | 28-42 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 42-60 | 18-32 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.2-0.8 | .49 | .49 | | | |
| Clegg----- | 0-8 | 18-24 | 1.15-1.25 | 0.6-2 | 0.16-0.18 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 6 | 48 |
| | 8-22 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 1.0-2.0 | .37 | .37 | | | |
| | 22-28 | 28-34 | 1.25-1.40 | 0.2-0.6 | 0.15-0.18 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 28-32 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .20 | .32 | | | |
| | 32-60 | 20-32 | 1.25-1.40 | 0.2-2 | 0.13-0.18 | 0.0-2.9 | 0.0-0.5 | .17 | .32 | | | |
| 209: Thatcher----- | 0-10 | 16-26 | 1.35-1.45 | 0.6-2 | 0.17-0.18 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 6 | 48 |
| | 10-19 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-2.0 | .43 | .43 | | | |
| | 19-28 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 1.0-1.5 | .43 | .43 | | | |
| | 28-42 | 25-35 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 42-60 | 18-32 | 1.35-1.45 | 0.2-0.6 | 0.15-0.18 | 0.0-2.9 | 0.2-0.8 | .49 | .49 | | | |
| Joes----- | 0-7 | 18-27 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 2.0-4.0 | .32 | .32 | 5 | 4L | 86 |
| | 7-12 | 18-30 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 12-20 | 18-30 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 3.0-5.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-50 | 15-25 | 1.20-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 50-60 | 15-25 | 1.20-1.40 | 0.6-2 | 0.15-0.21 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| 210: Thatcherflats----- | 0-2 | 11-18 | 1.10-1.20 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .55 | .55 | 2 | 5 | 56 |
| | 2-5 | 11-18 | 1.10-1.20 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .55 | .55 | | | |
| | 5-9 | 28-45 | 1.40-1.50 | 0.0015-0.06 | 0.14-0.17 | 6.0-8.9 | 0.5-1.0 | .37 | .37 | | | |
| | 9-11 | 25-35 | 1.40-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.0-0.5 | .55 | .55 | | | |
| | 11-25 | 25-35 | 1.40-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.0-0.5 | .55 | .55 | | | |
| | 25-45 | 15-25 | 1.30-1.50 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 45-56 | 15-25 | 1.30-1.50 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |
| | 56-60 | 15-25 | 1.30-1.50 | 0.6-2 | 0.17-0.19 | 0.0-2.9 | 0.0-0.5 | .55 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 211: Thomasfork----- | 0-2 | 35-39 | 1.10-1.15 | 0.2-0.6 | 0.19-0.21 | 6.0-8.9 | 4.0-7.0 | .20 | .20 | 5 | 4 | 86 |
| | 2-10 | 35-39 | 1.10-1.15 | 0.2-0.6 | 0.19-0.21 | 6.0-8.9 | 4.0-7.0 | .28 | .28 | | | |
| | 10-16 | 35-45 | 1.15-1.25 | 0.06-0.2 | 0.17-0.21 | 6.0-8.9 | 2.0-5.0 | .24 | .24 | | | |
| | 16-21 | 35-45 | 1.15-1.25 | 0.06-0.2 | 0.17-0.21 | 6.0-8.9 | 2.0-5.0 | .28 | .28 | | | |
| | 21-28 | 35-50 | 1.35-1.45 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 28-35 | 35-50 | 1.35-1.45 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 1.0-3.0 | .24 | .24 | | | |
| | 35-48 | 35-50 | 1.35-1.45 | 0.06-0.2 | 0.17-0.20 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 48-60 | 12-18 | 1.40-1.55 | 0.6-2 | 0.14-0.17 | 0.0-2.9 | 0.0-0.5 | .49 | .49 | | | |
| 212: Toponce----- | 0-3 | 12-20 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 4.0-6.0 | .32 | .32 | 5 | 6 | 48 |
| | 3-20 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-2.0 | .32 | .32 | | | |
| | 20-24 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-1.0 | .32 | .32 | | | |
| | 24-36 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-1.0 | .28 | .28 | | | |
| | 36-60 | 35-55 | 1.25-1.50 | 0.06-0.2 | 0.16-0.18 | 6.0-8.9 | 0.5-1.0 | .28 | .28 | | | |
| Bailcreek----- | 0-1 | 0-25 | 0.10-0.30 | 6-100 | 0.30-0.60 | — | 60-95 | — | — | 3 | 6 | 48 |
| | 1-6 | 12-20 | 1.15-1.30 | 0.6-2 | 0.13-0.18 | 0.0-2.9 | 4.0-6.0 | .17 | .32 | | | |
| | 6-14 | 12-20 | 1.25-1.40 | 0.6-2 | 0.11-0.18 | 0.0-2.9 | 2.0-4.0 | .15 | .37 | | | |
| | 14-19 | 33-55 | 1.35-1.50 | 0.06-0.2 | 0.10-0.17 | 6.0-8.9 | 0.5-1.0 | .15 | .32 | | | |
| | 19-32 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| | 32-43 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| | 43-60 | 40-55 | 1.40-1.50 | 0.0015-0.06 | 0.09-0.11 | 6.0-8.9 | 0.5-1.0 | .10 | .28 | | | |
| 213: Tubbs Hollow----- | 0-3 | 10-18 | 1.30-1.45 | 2-6 | 0.08-0.11 | 0.0-2.9 | 2.0-4.0 | .15 | .24 | 2 | 6 | 48 |
| | 3-12 | 8-18 | 1.35-1.50 | 2-6 | 0.07-0.13 | 0.0-2.9 | 1.0-2.0 | .20 | .37 | | | |
| | 12-25 | 8-18 | 1.35-1.60 | 2-6 | 0.03-0.10 | 0.0-2.9 | 0.0-1.0 | .02 | .37 | | | |
| | 25-60 | — | — | — | — | — | — | — | — | | | |
| Dry Canyon, dry-- | 0-3 | 15-22 | 1.10-1.30 | 0.6-2 | 0.14-0.20 | 0.0-2.9 | 3.0-5.0 | .20 | .20 | 4 | 5 | 56 |
| | 3-10 | 18-30 | 1.20-1.35 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 2.0-4.0 | .37 | .37 | | | |
| | 10-18 | 18-30 | 1.30-1.50 | 0.2-0.6 | 0.14-0.19 | 3.0-5.9 | 1.0-2.0 | .43 | .43 | | | |
| | 18-25 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 25-38 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.5 | .17 | .32 | | | |
| | 38-48 | 23-35 | 1.30-1.50 | 0.2-0.6 | 0.13-0.18 | 3.0-5.9 | 0.0-0.2 | .24 | .37 | | | |
| | 48-53 | 16-22 | 1.30-1.55 | 0.2-0.6 | 0.09-0.19 | 3.0-5.9 | 0.0-0.2 | .43 | .43 | | | |
| | 53-60 | — | — | — | — | — | — | — | — | | | |
| 214: Vicking----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 215: Vicking----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 216: Vicking----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 217: Vicking, dry----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 218: Vicking, dry----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| 219: Vicking----- | 0-8 | 15-24 | 1.20-1.40 | 0.6-2 | 0.15-0.17 | 0.0-2.9 | 2.0-4.0 | .43 | .43 | 5 | 5 | 56 |
| | 8-18 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .24 | .43 | | | |
| | 18-31 | 27-34 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.5-2.0 | .43 | .43 | | | |
| | 31-43 | 18-26 | 1.25-1.45 | 0.2-0.6 | 0.14-0.17 | 0.0-2.9 | 0.0-0.8 | .49 | .49 | | | |
| | 43-60 | 18-26 | 1.15-1.35 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| Cokeville----- | 0-2 | 15-23 | 1.15-1.25 | 0.6-2 | 0.11-0.14 | 1.0-2.9 | 1.0-3.0 | .17 | .32 | 4 | 6 | 48 |
| | 2-5 | 15-23 | 1.25-1.35 | 0.6-2 | 0.12-0.15 | 1.0-2.9 | 1.0-2.0 | .32 | .49 | | | |
| | 5-9 | 27-35 | 1.25-1.35 | 0.2-0.6 | 0.13-0.16 | 3.0-5.9 | 0.0-0.8 | .20 | .32 | | | |
| | 9-15 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .20 | .37 | | | |
| | 15-31 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 31-43 | 18-35 | 1.25-1.35 | 0.2-0.6 | 0.12-0.16 | 3.0-5.9 | 0.0-0.5 | .24 | .49 | | | |
| | 43-56 | 34-40 | 1.30-1.40 | 0.2-0.6 | 0.16-0.18 | 6.0-8.9 | 0.0-0.5 | .32 | .32 | | | |
| | 56-60 | — | — | — | — | — | — | — | — | | | |
| 220: Vipont----- | 0-4 | 15-22 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .05 | .24 | 2 | 7 | 38 |
| | 4-7 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .17 | .32 | | | |
| | 7-14 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .10 | .20 | | | |
| | 14-21 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .02 | .20 | | | |
| | 21-60 | — | — | — | — | — | — | — | — | | | |
| Dipcreek----- | 0-4 | 10-15 | 1.30-1.40 | 2-6 | 0.14-0.16 | 0.0-2.9 | 2.0-4.0 | .17 | .28 | 1 | 6 | 48 |
| | 4-9 | 10-17 | 1.30-1.45 | 2-6 | 0.05-0.10 | 0.0-2.9 | 1.0-3.0 | .15 | .37 | | | |
| | 9-18 | 12-17 | 1.35-1.50 | 2-6 | 0.04-0.07 | 0.0-2.9 | 0.0-0.5 | .05 | .43 | | | |
| | 18-60 | — | — | — | — | — | — | — | — | | | |
| 221: Vipont----- | 0-4 | 15-22 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .05 | .24 | 2 | 7 | 38 |
| | 4-7 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .17 | .32 | | | |
| | 7-14 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .10 | .20 | | | |
| | 14-21 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .02 | .20 | | | |
| | 21-60 | — | — | — | — | — | — | — | — | | | |
| Prucree----- | 0-2 | 12-17 | 1.35-1.45 | 2-6 | 0.09-0.11 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | 2 | 3 | 86 |
| | 2-10 | 12-17 | 1.35-1.45 | 2-6 | 0.09-0.11 | 0.0-2.9 | 2.0-4.0 | .10 | .10 | | | |
| | 10-19 | 12-17 | 1.30-1.50 | 2-6 | 0.09-0.15 | 0.0-2.9 | 1.0-3.0 | .20 | .20 | | | |
| | 19-28 | 12-17 | 1.35-1.50 | 2-6 | 0.09-0.13 | 0.0-2.9 | 1.0-2.0 | .20 | .20 | | | |
| | 28-29 | — | — | — | — | — | — | — | — | | | |
| | 29-60 | — | — | — | — | — | — | — | — | | | |
| 222: Vipont----- | 0-4 | 15-22 | 1.25-1.40 | 0.6-2 | 0.11-0.15 | 0.0-2.9 | 2.0-4.0 | .05 | .24 | 2 | 7 | 38 |
| | 4-7 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .17 | .32 | | | |
| | 7-14 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .10 | .20 | | | |
| | 14-21 | 24-34 | 1.30-1.45 | 0.2-0.6 | 0.09-0.15 | 3.0-5.9 | 1.0-3.0 | .02 | .20 | | | |
| | 21-60 | — | — | — | — | — | — | — | — | | | |
| Suryon----- | 0-4 | 12-17 | 1.25-1.35 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | 5 | 5 | 56 |
| | 4-10 | 12-17 | 1.25-1.35 | 0.6-2 | 0.13-0.16 | 0.0-2.9 | 2.0-4.0 | .28 | .28 | | | |
| | 10-17 | 12-17 | 1.30-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 17-29 | 12-17 | 1.30-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 29-38 | 12-17 | 1.30-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .37 | .37 | | | |
| | 38-49 | 10-15 | 1.40-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .43 | .43 | | | |
| | 49-60 | 10-15 | 1.40-1.50 | 0.6-2 | 0.10-0.14 | 0.0-2.9 | 0.0-0.5 | .24 | .43 | | | |
| 223: Warshod----- | 0-3 | 10-18 | 1.15-1.30 | 0.6-2 | 0.12-0.14 | 1.0-2.9 | 3.0-5.0 | .17 | .24 | 4 | 6 | 48 |
| | 3-9 | 10-18 | 1.15-1.30 | 0.6-2 | 0.10-0.14 | 1.0-2.9 | 2.0-4.0 | .20 | .37 | | | |
| | 9-18 | 8-18 | 1.25-1.40 | 0.6-2 | 0.06-0.11 | 1.0-2.9 | 1.0-3.0 | .17 | .37 | | | |
| | 18-37 | 8-18 | 1.25-1.40 | 0.6-2 | 0.06-0.11 | 1.0-2.9 | 0.5-2.0 | .17 | .49 | | | |
| | 37-46 | 8-18 | 1.25-1.40 | 0.6-2 | 0.06-0.11 | 1.0-2.9 | 0.5-2.0 | .10 | .28 | | | |
| | 46-60 | — | — | — | — | — | — | — | — | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|------------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 223: Slan----- | 0-2 | 10-18 | 1.15-1.30 | 0.6-2 | 0.09-0.11 | 1.0-2.9 | 1.0-3.0 | .15 | .43 | 3 | 6 | 48 |
| | 2-5 | 10-22 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 1.0-2.9 | 1.0-2.0 | .20 | .28 | | | |
| | 5-18 | 18-30 | 1.20-1.40 | 0.2-0.6 | 0.11-0.14 | 3.0-5.9 | 0.0-1.0 | .24 | .37 | | | |
| | 18-25 | 18-30 | 1.20-1.40 | 0.2-0.6 | 0.11-0.14 | 3.0-5.9 | 0.0-0.8 | .24 | .37 | | | |
| | 25-32 | 10-18 | 1.30-1.45 | 0.6-2 | 0.12-0.16 | 1.0-2.9 | 0.0-0.0 | .28 | .28 | | | |
| | 32-60 | — | — | — | — | — | — | — | — | | | |
| 224: Warshod, dry---- | 0-3 | 10-18 | 1.15-1.30 | 0.6-2 | 0.12-0.14 | 1.0-2.9 | 3.0-5.0 | .17 | .24 | 4 | 6 | 48 |
| | 3-9 | 10-18 | 1.15-1.30 | 0.6-2 | 0.10-0.14 | 1.0-2.9 | 2.0-4.0 | .20 | .37 | | | |
| | 9-18 | 8-18 | 1.25-1.40 | 0.6-2 | 0.06-0.11 | 1.0-2.9 | 1.0-3.0 | .17 | .37 | | | |
| | 18-37 | 8-18 | 1.25-1.40 | 0.6-2 | 0.06-0.11 | 1.0-2.9 | 0.5-2.0 | .17 | .49 | | | |
| | 37-46 | 8-18 | 1.25-1.40 | 0.6-2 | 0.06-0.11 | 1.0-2.9 | 0.5-2.0 | .10 | .28 | | | |
| | 46-60 | — | — | — | — | — | — | — | — | | | |
| Slan, dry----- | 0-2 | 10-18 | 1.15-1.30 | 0.6-2 | 0.09-0.11 | 1.0-2.9 | 1.0-3.0 | .15 | .43 | 3 | 6 | 48 |
| | 2-5 | 10-22 | 1.20-1.40 | 0.6-2 | 0.09-0.13 | 1.0-2.9 | 1.0-2.0 | .20 | .28 | | | |
| | 5-18 | 18-30 | 1.20-1.40 | 0.2-0.6 | 0.11-0.14 | 3.0-5.9 | 0.0-1.0 | .24 | .37 | | | |
| | 18-25 | 18-30 | 1.20-1.40 | 0.2-0.6 | 0.11-0.14 | 3.0-5.9 | 0.0-0.8 | .24 | .37 | | | |
| | 25-32 | 10-18 | 1.30-1.45 | 0.6-2 | 0.12-0.16 | 1.0-2.9 | 0.0-0.0 | .28 | .28 | | | |
| | 32-60 | — | — | — | — | — | — | — | — | | | |
| 225: Water. | | | | | | | | | | | | |
| 226: Water, miscellaneous. | | | | | | | | | | | | |
| 227: Watkins Ridge, dry----- | 0-8 | 15-20 | 1.10-1.25 | 0.6-2 | 0.15-0.17 | 1.0-2.9 | 2.0-4.0 | .20 | .32 | 5 | 5 | 56 |
| | 8-14 | 15-20 | 1.10-1.25 | 0.6-2 | 0.15-0.17 | 1.0-2.9 | 2.0-4.0 | .24 | .37 | | | |
| | 14-26 | 18-30 | 1.20-1.45 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 26-45 | 18-30 | 1.20-1.45 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| | 45-60 | 18-30 | 1.20-1.45 | 0.6-2 | 0.14-0.19 | 3.0-5.9 | 0.0-1.0 | .43 | .43 | | | |
| 228: Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 229: Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 230: Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| 231: Wursten, dry---- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |

Soil Survey of Bear Lake County Area, Idaho

Physical Properties of the Soils--Continued

| Map symbol and soil name | Depth | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensi- bility | Organic matter | Erosion factors | | | Wind erodi- bility group | Wind erodi- bility index |
|--------------------------------|-------|-------|--------------------------|--|--------------------------------|------------------------------|-------------------|-----------------|-----|---|-----------------------------------|-----------------------------------|
| | | | | | | | | Kw | Kf | T | | |
| | In | Pct | g/cc | In/hr | In/in | Pct | Pct | | | | | |
| 232: | | | | | | | | | | | | |
| Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| Bearhollow----- | 0-6 | 13-18 | 1.20-1.40 | 0.6-2 | 0.12-0.15 | 0.0-2.9 | 1.0-2.0 | .15 | .28 | 4 | 5 | 56 |
| | 6-11 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 11-20 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 20-24 | 10-17 | 1.20-1.40 | 0.6-2 | 0.12-0.17 | 0.0-2.9 | 0.5-1.0 | .43 | .43 | | | |
| | 24-33 | 6-17 | 1.20-1.40 | 2-6 | 0.11-0.12 | 0.0-2.9 | 0.5-1.0 | .28 | .28 | | | |
| | 33-44 | 3-9 | 1.20-1.40 | 2-6 | 0.08-0.09 | 0.0-2.9 | 0.0-0.5 | .37 | .37 | | | |
| | 44-62 | 27-35 | 1.30-1.50 | 0.2-0.6 | 0.19-0.21 | 3.0-5.9 | 0.0-0.5 | .43 | .43 | | | |
| 233: | | | | | | | | | | | | |
| Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 234: | | | | | | | | | | | | |
| Wursten----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| Rexburg----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| 235: | | | | | | | | | | | | |
| Wursten, dry----- | 0-3 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | 5 | 4L | 86 |
| | 3-8 | 10-16 | 1.20-1.30 | 0.6-2 | 0.16-0.20 | 0.0-2.9 | 2.0-3.0 | .43 | .43 | | | |
| | 8-31 | 12-18 | 1.20-1.40 | 0.6-2 | 0.16-0.21 | 0.0-2.9 | 0.5-2.0 | .37 | .37 | | | |
| | 31-44 | 8-16 | 1.30-1.50 | 0.6-2 | 0.09-0.14 | 0.0-2.9 | 0.1-0.5 | .24 | .43 | | | |
| | 44-60 | 8-16 | 1.30-1.50 | 0.6-6 | 0.08-0.13 | 0.0-2.9 | 0.1-0.5 | .10 | .24 | | | |
| Rexburg, dry----- | 0-7 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .43 | .43 | 5 | 5 | 56 |
| | 7-13 | 12-18 | 1.20-1.35 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 13-25 | 14-18 | 1.20-1.40 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 1.0-3.0 | .49 | .49 | | | |
| | 25-31 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 31-47 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |
| | 47-60 | 10-16 | 1.20-1.30 | 0.6-2 | 0.19-0.21 | 0.0-2.9 | 0.5-1.0 | .55 | .55 | | | |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|--------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Somewhat limited Seepage | 0.02 | Somewhat limited Hard to pack | 0.13 |
| 2: Ant Flat----- | 80 | Very limited Slope Seepage | 1.00 0.02 | Somewhat limited Hard to pack | 0.13 |
| 3: Ant Flat----- | 80 | Very limited Slope Seepage | 1.00 0.02 | Somewhat limited Hard to pack | 0.13 |
| 4: Arbone----- | 85 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 5: Arbone----- | 80 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 6: Arbone, dry----- | 80 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 7: Arbone----- | 60 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| Wursten----- | 25 | Very limited Seepage | 1.00 | Somewhat limited Piping | 0.60 |
| 8: Arbone----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Wursten----- | 35 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| 9: Arbone, dry----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Wursten, dry----- | 35 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Piping | 0.60 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 10: Bailcreek----- | 75 | Very limited Slope | 1.00 | Somewhat limited Large stones Hard to pack | 0.92 0.59 |
| Dranburn----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| 11: Bailcreek----- | 55 | Very limited Slope | 1.00 | Somewhat limited Large stones Hard to pack | 0.92 0.59 |
| Toponce----- | 40 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.68 |
| 12: Bancroft----- | 80 | Somewhat limited Seepage | 0.70 | Somewhat limited Piping | 0.98 |
| 13: Bancroft----- | 80 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.98 |
| 14: Bancroft----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.98 |
| 15: Bear Lake----- | 55 | Somewhat limited Seepage | 0.53 | Very limited Depth to saturated zone Piping | 1.00 0.44 |
| Bear Lake, ponded----- | 25 | Somewhat limited Seepage | 0.53 | Very limited Ponding Depth to saturated zone Piping | 1.00 1.00 0.44 |
| 16: Bear Lake----- | 40 | Somewhat limited Seepage | 0.53 | Very limited Depth to saturated zone Piping | 1.00 0.44 |
| Chesbrook----- | 25 | Somewhat limited Seepage | 0.70 | Very limited Depth to saturated zone Piping | 1.00 0.02 |
| La Roco----- | 15 | Very limited Seepage | 1.00 | Somewhat limited Piping Depth to saturated zone | 0.99 0.86 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|--------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 17: Bear Lake----- | 50 | Somewhat limited Seepage | 0.53 | Very limited Depth to saturated zone Piping | 1.00 0.44 |
| Lago----- | 35 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 0.82 |
| 18: Bearbou----- | 85 | Somewhat limited Seepage | 0.03 | Very limited Depth to saturated zone | 1.00 |
| 19: Bearhollow----- | 30 | Very limited Seepage Slope | 1.00 1.00 | Very limited Piping | 1.00 |
| Brifox----- | 25 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.97 |
| Iphil----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 20: Bearhollow----- | 30 | Very limited Seepage Slope | 1.00 1.00 | Very limited Piping | 1.00 |
| Brifox----- | 25 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.97 |
| Iphil----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 21: Benning----- | 90 | Somewhat limited Seepage | 0.70 | Somewhat limited Piping | 0.67 |
| 22: Bern----- | 90 | Very limited Seepage | 1.00 | Very limited Piping Depth to saturated zone | 1.00 0.53 |
| 23: Bezzant----- | 75 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Seepage | 0.74 |
| 24: Bezzant----- | 45 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Seepage | 0.74 |
| Swanpeak----- | 45 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 25: Bischoff----- | 55 | Very limited Slope Seepage | 1.00 0.03 | Not limited | |
| Hagenbarth----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| 26: Bloomington----- | 80 | Somewhat limited Seepage | 0.03 | Very limited Depth to saturated zone Ponding Piping | 1.00 1.00 0.62 |
| 27: Boundridge----- | 75 | Very limited Seepage Depth to cemented pan Slope | 1.00 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.60 |
| Sweetcreek----- | 20 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.01 | Somewhat limited Piping Thin layer | 0.72 0.52 |
| 28: Boyd hollow----- | 35 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage | 1.00 |
| Slan----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.08 | Somewhat limited Thin layer | 0.81 |
| Cokeville----- | 15 | Very limited Slope Seepage Depth to bedrock | 1.00 0.03 0.01 | Somewhat limited Piping Thin layer | 0.07 0.01 |
| 29: Brifox----- | 75 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.97 |
| Lizdale----- | 20 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage | 1.00 |
| 30: Brifox----- | 45 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.97 |
| Niter----- | 35 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.75 |
| 31: Brifox----- | 45 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.97 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 31: Niter----- | 35 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.75 |
| 32: Broadhead----- | 85 | Somewhat limited Seepage | 0.03 | Not limited | |
| 33: Broadhead----- | 80 | Very limited Slope Seepage | 1.00 0.03 | Not limited | |
| 34: Broadhead----- | 40 | Very limited Slope Seepage | 1.00 0.03 | Not limited | |
| Hades----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.99 |
| Swanpeak----- | 20 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| 35: Buist----- | 85 | Very limited Seepage | 1.00 | Very limited Seepage Large stones | 1.00 0.09 |
| 36: Buist----- | 90 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage Large stones | 1.00 0.09 |
| 37: Buist, dry----- | 90 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage Large stones | 1.00 0.09 |
| 38: Buist----- | 90 | Very limited Seepage | 1.00 | Very limited Seepage Large stones | 1.00 0.08 |
| 39: Buist----- | 65 | Very limited Seepage | 1.00 | Very limited Seepage Large stones | 1.00 0.09 |
| Arbone----- | 30 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 40: Burchert----- | 60 | Very limited Slope Depth to bedrock Seepage | 1.00 0.11 0.03 | Somewhat limited Thin layer Piping | 0.86 0.44 |
| Whitetop----- | 25 | Very limited Slope Depth to bedrock | 1.00 0.61 | Very limited Thin layer | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 41: Cedarhill----- | 90 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| 42: Cedarhill, dry----- | 80 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| 43: Cedarhill----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| Bearhollow----- | 40 | Very limited Seepage Slope | 1.00 1.00 | Very limited Piping | 1.00 |
| 44: Cedarhill----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| Buist----- | 35 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage Large stones | 1.00 0.09 |
| 45: Cedarhill----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| Burchert----- | 35 | Very limited Slope Depth to bedrock Seepage | 1.00 0.11 0.03 | Somewhat limited Thin layer Piping | 0.86 0.44 |
| 46: Cedarhill----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| Clegg----- | 40 | Very limited Slope Seepage | 1.00 0.53 | Somewhat limited Piping | 0.27 |
| 47: Cedarhill----- | 45 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| Clegg----- | 30 | Very limited Slope Seepage | 1.00 0.53 | Somewhat limited Piping | 0.27 |
| Drage----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|-------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 48: | | | | | |
| Cedarhill, dry----- | 50 | Very limited Slope | 1.00 | Very limited Seepage | 1.00 |
| | | Seepage | 0.70 | Large stones | 0.29 |
| Pinehollow, dry----- | 35 | Very limited Slope | 1.00 | Somewhat limited Thin layer | 0.95 |
| | | Depth to bedrock | 0.95 | Piping | 0.40 |
| | | Seepage | 0.70 | Large stones | 0.05 |
| 49: | | | | | |
| Cedarhill----- | 50 | Very limited Slope | 1.00 | Very limited Seepage | 1.00 |
| | | Seepage | 0.70 | Large stones | 0.29 |
| Wursten----- | 40 | Very limited Slope | 1.00 | Somewhat limited Piping | 0.60 |
| | | Seepage | 1.00 | | |
| 50: | | | | | |
| Chesbrook----- | 65 | Somewhat limited Seepage | 0.70 | Very limited Depth to saturated zone | 1.00 |
| | | | | Piping | 0.02 |
| Bear Lake----- | 20 | Somewhat limited Seepage | 0.53 | Very limited Depth to saturated zone | 1.00 |
| | | | | Piping | 0.44 |
| 51: | | | | | |
| Chinhill----- | 80 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 52: | | | | | |
| Chokecherry----- | 65 | Very limited Slope | 1.00 | Very limited Seepage | 1.00 |
| | | Depth to bedrock | 1.00 | Thin layer | 1.00 |
| | | | | Large stones | 0.95 |
| Dranyon----- | 20 | Very limited Slope | 1.00 | Somewhat limited Piping | 0.24 |
| | | Seepage | 0.04 | | |
| 53: | | | | | |
| Chokecherry----- | 45 | Very limited Depth to bedrock | 1.00 | Very limited Seepage | 1.00 |
| | | Slope | 1.00 | Thin layer | 1.00 |
| | | | | Large stones | 0.95 |
| Slights----- | 25 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.18 |
| Sheep Creek----- | 20 | Very limited Slope | 1.00 | Somewhat limited Thin layer | 0.56 |
| | | Seepage | 0.72 | Seepage | 0.22 |
| | | Depth to bedrock | 0.56 | | |
| 54: | | | | | |
| Chokecherry----- | 30 | Very limited Depth to bedrock | 1.00 | Very limited Seepage | 1.00 |
| | | Slope | 1.00 | Thin layer | 1.00 |
| | | | | Large stones | 0.95 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|---------------------------------|---------------------------|--|--------------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 54: Tubbs Hollow----- | 30 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.96 | Somewhat limited Large stones Thin layer Seepage | 0.97 0.96 0.49 |
| Sheep Creek, dry----- | 25 | Very limited Slope Seepage Depth to bedrock | 1.00 0.72 0.56 | Somewhat limited Thin layer Seepage | 0.56 0.22 |
| 55: Church Springs, dry----- | 55 | Very limited Slope Seepage | 1.00 0.30 | Somewhat limited Piping | 0.37 |
| Monida, dry----- | 35 | Very limited Slope Seepage | 1.00 0.70 | Not limited | |
| 56: Cleavage----- | 70 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.20 |
| Rock outcrop----- | 25 | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Somewhat limited Seepage | 0.53 | Somewhat limited Piping | 0.27 |
| 58: Clegg----- | 90 | Very limited Slope Seepage | 1.00 0.53 | Somewhat limited Piping | 0.27 |
| 59: Clegg----- | 50 | Very limited Slope Seepage | 1.00 0.53 | Somewhat limited Piping | 0.27 |
| Grecan----- | 35 | Very limited Slope Seepage | 1.00 0.04 | Not limited | |
| 60: Cooley, dry----- | 40 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage | 1.00 |
| Beehunt, dry----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.97 |
| 61: Crossley----- | 70 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Large stones Thin layer Seepage | 1.00 1.00 0.07 |
| Rock outcrop----- | 25 | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 62: | | | | | |
| Crossley----- | 50 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Large stones Thin layer Seepage | 1.00 1.00 0.07 |
| Whitetop----- | 30 | Very limited Slope Depth to bedrock | 1.00 0.61 | Very limited Thin layer | 1.00 |
| Rock outcrop----- | 10 | Not rated | | Not rated | |
| 63: | | | | | |
| Cupine----- | 45 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.99 | Very limited Seepage Thin layer | 1.00 0.99 |
| Dunford----- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.93 0.04 | Somewhat limited Thin layer Piping | 0.93 0.07 |
| 64: | | | | | |
| Cupine, dry----- | 40 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.99 | Very limited Seepage Thin layer | 1.00 0.99 |
| Falula, dry----- | 30 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Seepage Thin layer Large stones | 1.00 1.00 1.00 |
| 65: | | | | | |
| Dennot, dry----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage | 1.00 |
| Thatcher, dry----- | 40 | Very limited Slope Seepage | 1.00 0.03 | Very limited Piping | 1.00 |
| 66: | | | | | |
| Dingle----- | 80 | Somewhat limited Seepage | 0.70 | Very limited Depth to saturated zone Seepage Hard to pack Ponding | 1.00 1.00 1.00 1.00 |
| 67: | | | | | |
| Dinswamp----- | 75 | Somewhat limited Seepage | 0.03 | Very limited Depth to saturated zone Piping Ponding | 1.00 1.00 1.00 |
| 68: | | | | | |
| Dipcreek----- | 35 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 68: | | | | | |
| Cutoff----- | 30 | Very limited | | Somewhat limited | |
| | | Seepage | 1.00 | Thin layer | 0.99 |
| | | Slope | 1.00 | Seepage | 0.30 |
| | | Depth to bedrock | 0.99 | | |
| Sheep Creek----- | 20 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Thin layer | 0.56 |
| | | Seepage | 0.72 | Seepage | 0.22 |
| | | Depth to bedrock | 0.56 | | |
| 69: | | | | | |
| Dipcreek----- | 60 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Thin layer | 1.00 |
| | | Slope | 1.00 | Large stones | 1.00 |
| Rock outcrop----- | 40 | Not rated | | Not rated | |
| 70: | | | | | |
| Dirtyhead----- | 50 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Thin layer | 0.81 |
| | | Seepage | 0.70 | | |
| | | Depth to bedrock | 0.08 | | |
| Cedarhill----- | 30 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Seepage | 0.70 | Large stones | 0.29 |
| 71: | | | | | |
| Dirtyhead----- | 35 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Thin layer | 0.81 |
| | | Seepage | 0.70 | | |
| | | Depth to bedrock | 0.08 | | |
| Mumford----- | 30 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 1.00 | Thin layer | 1.00 |
| Dranburn----- | 25 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Piping | 0.27 |
| | | Seepage | 0.70 | | |
| 72: | | | | | |
| Dollarhide----- | 90 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Seepage | 1.00 |
| | | Slope | 1.00 | Thin layer | 1.00 |
| 73: | | | | | |
| Dollarhide----- | 60 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 1.00 | Thin layer | 1.00 |
| Grunder----- | 20 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Thin layer | 0.95 |
| | | Depth to bedrock | 0.95 | Piping | 0.57 |
| | | Seepage | 0.04 | | |
| 74: | | | | | |
| Drage----- | 35 | Very limited | | Not limited | |
| | | Slope | 1.00 | | |
| | | Seepage | 0.70 | | |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 74: Causey----- | 30 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Piping | 0.82 |
| Lilcan----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Seepage Large stones | 1.00 0.50 0.30 |
| 75: Dranburn----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| Hoopgobel----- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.17 0.03 | Somewhat limited Thin layer Piping | 0.91 0.45 |
| Ledgehollow----- | 25 | Very limited Slope Depth to bedrock | 1.00 0.66 | Very limited Thin layer Piping | 1.00 0.83 |
| 76: Dranburn----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| Pavohroo----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Not limited | |
| 77: Dranburn----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| Pontuge----- | 30 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Seepage | 0.94 |
| 78: Dranburn----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| Poulridge----- | 40 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.02 | Somewhat limited Thin layer Piping | 0.61 0.28 |
| 79: Dranyon----- | 75 | Very limited Slope Seepage | 1.00 0.04 | Somewhat limited Piping | 0.24 |
| 80: Dry Canyon, dry----- | 85 | Very limited Slope Seepage Depth to bedrock | 1.00 0.04 0.01 | Somewhat limited Piping Thin layer | 0.36 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|---|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 81: Dry Canyon, dry----- | 55 | Very limited Slope Seepage Depth to bedrock | 1.00 0.04 0.01 | Somewhat limited Piping Thin layer | 0.36 0.04 |
| Cutoff----- | 30 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.99 | Somewhat limited Thin layer Seepage | 0.99 0.30 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 84: Dutchcanyon----- | 45 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Frenchollow----- | 35 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.85 |
| 85: Every----- | 50 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.01 | Somewhat limited Thin layer | 0.34 |
| Preuss----- | 25 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.37 | Somewhat limited Thin layer Seepage | 0.99 0.97 |
| 86: Every----- | 55 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.01 | Somewhat limited Thin layer | 0.34 |
| Preuss----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.37 | Somewhat limited Thin layer Seepage | 0.99 0.97 |
| 87: Fishaven----- | 70 | Very limited Slope Depth to bedrock Seepage | 1.00 0.93 0.70 | Somewhat limited Thin layer | 0.93 |
| Dutchcanyon----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 88: Frenchollow----- | 85 | Not limited | | Somewhat limited Hard to pack | 0.85 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 89: Frenchollow----- | 85 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.85 |
| 90: Fury----- | 90 | Somewhat limited Seepage | 0.04 | Very limited Depth to saturated zone | 1.00 |
| 91: Georgecanyon----- | 90 | Somewhat limited Seepage | 0.70 | Somewhat limited Seepage | 0.71 |
| 92: Hades----- | 85 | Somewhat limited Seepage | 0.70 | Somewhat limited Piping | 0.99 |
| 93: Hades----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.99 |
| 94: Hades----- | 90 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.99 |
| 95: Hades----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.99 |
| Horrocks----- | 25 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.33 | Somewhat limited Thin layer | 0.34 |
| 96: Hagenbarth----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| Clegg----- | 40 | Very limited Slope Seepage | 1.00 0.53 | Somewhat limited Piping | 0.27 |
| 97: Hagenbarth----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| Dranburn----- | 25 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| 98: Hagenbarth----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 98: Horrocks----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.33 | Somewhat limited Thin layer | 0.34 |
| 99: Hagenbarth----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| Zeebar----- | 35 | Very limited Slope Seepage | 1.00 0.04 | Somewhat limited Seepage | 0.79 |
| Dranburn----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| 100: Hoopgobel----- | 55 | Very limited Slope Depth to bedrock Seepage | 1.00 0.17 0.03 | Somewhat limited Thin layer Piping | 0.91 0.45 |
| Cadero----- | 30 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.26 | Somewhat limited Thin layer | 0.96 |
| 101: Hoopgobel----- | 65 | Very limited Slope Depth to bedrock Seepage | 1.00 0.17 0.03 | Somewhat limited Thin layer Piping | 0.91 0.45 |
| Slights----- | 25 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.18 |
| 102: Horrocks----- | 55 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.33 | Somewhat limited Thin layer | 0.34 |
| Cedarhill----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage Large stones | 1.00 0.29 |
| 103: Horrocks----- | 60 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.33 | Somewhat limited Thin layer | 0.34 |
| Cleavage----- | 25 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.20 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 104: Horrocks----- | 60 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.33 | Somewhat limited Thin layer | 0.34 |
| Cleavage----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.20 |
| 105: Hutchley----- | 30 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 0.16 |
| Cupine----- | 25 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.99 | Very limited Seepage Thin layer | 1.00 0.99 |
| Vitale----- | 20 | Very limited Slope Depth to bedrock Seepage | 1.00 0.86 0.03 | Very limited Large stones Thin layer Seepage | 1.00 0.86 0.49 |
| 106: Iphil----- | 80 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 107: Iphil----- | 80 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 108: Iphil----- | 80 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 109: Iphil----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Lanoak----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Watercanyon----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 110: Iphil----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Watercanyon----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 111: Iphil, dry----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Watercanyon, dry----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 112: Ireland----- | 45 | Very limited Slope Depth to bedrock Seepage | 1.00 0.98 0.70 | Somewhat limited Thin layer | 0.98 |
| Falula----- | 35 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer Large stones | 1.00 1.00 1.00 |
| Vicking----- | 15 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.17 |
| 113: Jacanyon----- | 65 | Very limited Slope Depth to bedrock Seepage | 1.00 0.69 0.04 | Somewhat limited Piping Thin layer | 0.71 0.70 |
| Cleavage----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.20 |
| 114: Jebo, dry----- | 40 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.91 | Very limited Seepage Thin layer | 1.00 0.91 |
| Cokeville, dry----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 0.03 0.01 | Somewhat limited Piping Thin layer | 0.07 0.01 |
| Dennot, dry----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Very limited Seepage | 1.00 |
| 115: Jebo----- | 55 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.91 | Very limited Seepage Thin layer | 1.00 0.91 |
| Cupine----- | 25 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.99 | Very limited Seepage Thin layer | 1.00 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 116: Jebo, dry----- | 55 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.91 | Very limited Seepage Thin layer | 1.00 0.91 |
| Cupine, dry----- | 25 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.99 | Very limited Seepage Thin layer | 1.00 0.99 |
| 117: Jebo----- | 55 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.91 | Very limited Seepage Thin layer | 1.00 0.91 |
| Dipcreek----- | 35 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 1.00 |
| 118: Jebo, dry----- | 55 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.91 | Very limited Seepage Thin layer | 1.00 0.91 |
| Dipcreek, dry----- | 35 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 1.00 |
| 119: Joess----- | 75 | Somewhat limited Seepage | 0.70 | Somewhat limited Piping | 0.99 |
| 120: Joess----- | 75 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.99 |
| 121: Kucera----- | 90 | Very limited Slope Seepage | 1.00 0.81 | Very limited Piping | 1.00 |
| 122: Kucera----- | 45 | Very limited Slope Seepage | 1.00 0.81 | Very limited Piping | 1.00 |
| Chausse----- | 25 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Seepage | 0.12 |
| Rexburg----- | 15 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 123: La Roco----- | 85 | Very limited Seepage | 1.00 | Somewhat limited Piping Depth to saturated zone | 0.99 0.86 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---|--------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 124: La Roco, saline----- | 85 | Very limited Seepage | 1.00 | Very limited Piping Depth to saturated zone Salinity | 1.00 0.86 0.03 |
| 125: Lag----- | 40 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage | 1.00 |
| Dollarhide----- | 35 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| Rock outcrop----- | 15 | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage | 1.00 |
| Dranyon----- | 25 | Very limited Slope Seepage | 1.00 0.04 | Somewhat limited Piping | 0.24 |
| 127: Lago----- | 85 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 0.82 |
| 128: Lago----- | 65 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 0.82 |
| Bear Lake----- | 25 | Somewhat limited Seepage | 0.53 | Very limited Depth to saturated zone Piping | 1.00 0.44 |
| 129: Lago----- | 60 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 0.82 |
| Merkley----- | 30 | Very limited Seepage | 1.00 | Very limited Piping | 1.00 |
| 130: Lanoak----- | 80 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 131: Lanoak----- | 85 | Somewhat limited Seepage Slope | 0.70 0.68 | Very limited Piping | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 132: Lanoak----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 133: Lanoak----- | 90 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 134: Lanoak----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Arbone----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 135: Lanoak----- | 55 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| Rexburg----- | 35 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 136: Leftfork----- | 60 | Very limited Slope Depth to bedrock | 1.00 0.26 | Somewhat limited Thin layer | 0.34 |
| Cleavage----- | 25 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.20 |
| 137: Lilcan----- | 60 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Seepage Large stones | 1.00 0.50 0.30 |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited Slope Depth to bedrock Seepage | 1.00 0.69 0.04 | Somewhat limited Piping Thin layer | 0.71 0.70 |
| 138: Lilcan----- | 35 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Seepage Large stones | 1.00 0.50 0.30 |
| Watkins Ridge, dry----- | 35 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.36 |
| Jacanyon----- | 20 | Very limited Slope Depth to bedrock Seepage | 1.00 0.69 0.04 | Somewhat limited Piping Thin layer | 0.71 0.70 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 139: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.95 | Thin layer | 0.95 |
| | | Seepage | 0.70 | | |
| Kucera----- | 20 | Very limited | | Very limited | |
| | | Slope | 1.00 | Piping | 1.00 |
| | | Seepage | 0.81 | | |
| Sprollo----- | 15 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.74 | Thin layer | 0.74 |
| | | Seepage | 0.70 | | |
| 140: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.95 | Thin layer | 0.95 |
| | | Seepage | 0.70 | | |
| Kucera, dry----- | 20 | Very limited | | Very limited | |
| | | Slope | 1.00 | Piping | 1.00 |
| | | Seepage | 0.81 | | |
| Sprollo, dry----- | 15 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.74 | Thin layer | 0.74 |
| | | Seepage | 0.70 | | |
| 141: | | | | | |
| Lonjon----- | 30 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.95 | Thin layer | 0.95 |
| | | Seepage | 0.70 | | |
| Monida----- | 25 | Very limited | | Not limited | |
| | | Slope | 1.00 | | |
| | | Seepage | 0.70 | | |
| Chokecherry----- | 20 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Seepage | 1.00 |
| | | Slope | 1.00 | Thin layer | 1.00 |
| | | | | Large stones | 0.95 |
| 142: | | | | | |
| Lonjon----- | 45 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.95 | Thin layer | 0.95 |
| | | Seepage | 0.70 | | |
| Mumford----- | 25 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 1.00 | Thin layer | 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| 143: | | | | | |
| Lonjon----- | 40 | Very limited | | Very limited | |
| | | Slope | 1.00 | Seepage | 1.00 |
| | | Depth to bedrock | 0.95 | Thin layer | 0.95 |
| | | Seepage | 0.70 | | |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 143: Sheep Creek----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 0.72 0.56 | Somewhat limited Thin layer Seepage | 0.56 0.22 |
| Dipcreek----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 1.00 |
| 144: Lonjon----- | 45 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| Sprollow----- | 20 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| Mumford----- | 15 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| 145: Marshdale----- | 45 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 0.55 |
| Bloomcreek----- | 30 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Seepage | 1.00 1.00 |
| 146: Merkley----- | 85 | Very limited Seepage | 1.00 | Very limited Piping | 1.00 |
| 147: Millerditch----- | 60 | Very limited Seepage | 1.00 | Somewhat limited Depth to saturated zone Piping | 0.89 0.40 |
| Cookcan----- | 25 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 1.00 |
| 148: Mumford----- | 90 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| 149: Mumford----- | 60 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 149: Sprollo-- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| 150: Mumford-- | 60 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| Sprollo, dry-- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| 151: Mumford-- | 65 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| Sprollo, dry-- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| 152: Nielsen-- | 45 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 0.98 |
| Dranburn-- | 20 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| Hagenbarth-- | 15 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| 153: North Beach-- | 100 | Very limited Seepage Slope | 1.00 0.08 | Very limited Depth to saturated zone Large stones | 1.00 0.56 |
| 154: Nuffer-- | 45 | Very limited Seepage | 1.00 | Very limited Seepage Depth to saturated zone | 1.00 0.99 |
| Blackotter-- | 35 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 155: Nythar-- | 75 | Somewhat limited Seepage | 0.04 | Very limited Depth to saturated zone Piping | 1.00 0.06 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 155: Sagollow----- | 15 | Somewhat limited Seepage | 0.03 | Somewhat limited Depth to saturated zone Large stones | 0.98 0.18 |
| 156: Ovidcreek----- | 75 | Very limited Seepage | 1.00 | Very limited Piping Depth to saturated zone | 1.00 0.34 |
| 157: Parding----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Firading----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 1.00 0.52 | Somewhat limited Seepage Thin layer | 0.98 0.52 |
| Hagenbarth----- | 15 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| 158: Parding, dry----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Firading, dry----- | 30 | Very limited Slope Seepage Depth to bedrock | 1.00 1.00 0.52 | Somewhat limited Seepage Thin layer | 0.98 0.52 |
| Hagenbarth, dry----- | 15 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.84 |
| 159: Pegram----- | 80 | Very limited Seepage | 1.00 | Very limited Seepage | 1.00 |
| 160: Pinegap----- | 50 | Very limited Slope Seepage Depth to bedrock | 1.00 0.72 0.02 | Somewhat limited Thin layer | 0.02 |
| Lonjon----- | 35 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| 161: Pinehollow----- | 45 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Somewhat limited Thin layer Piping Large stones | 0.95 0.40 0.05 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 161: | | | | | |
| Ant Flat----- | 25 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Hard to pack | 0.13 |
| | | Seepage | 0.02 | | |
| Sheep Creek----- | 20 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Thin layer | 0.56 |
| | | Seepage | 0.72 | Seepage | 0.22 |
| | | Depth to bedrock | 0.56 | | |
| 162: | | | | | |
| Pits, gravel----- | 100 | Not rated | | Not rated | |
| 163: | | | | | |
| Pontuge----- | 45 | Very limited | | Somewhat limited | |
| | | Seepage | 1.00 | Seepage | 0.94 |
| | | Slope | 1.00 | | |
| Cokeville----- | 40 | Very limited | | Somewhat limited | |
| | | Slope | 1.00 | Piping | 0.07 |
| | | Seepage | 0.03 | Thin layer | 0.01 |
| | | Depth to bedrock | 0.01 | | |
| 164: | | | | | |
| Preussrange----- | 50 | Very limited | | Somewhat limited | |
| | | Seepage | 1.00 | Thin layer | 0.96 |
| | | Slope | 1.00 | Large stones | 0.01 |
| | | Depth to bedrock | 0.26 | | |
| Halfcircle----- | 35 | Very limited | | Very limited | |
| | | Slope | 1.00 | Piping | 1.00 |
| | | Seepage | 0.03 | Thin layer | 0.37 |
| | | Depth to bedrock | 0.01 | | |
| 165: | | | | | |
| Prucree----- | 50 | Very limited | | Somewhat limited | |
| | | Seepage | 1.00 | Thin layer | 0.91 |
| | | Slope | 1.00 | | |
| | | Depth to bedrock | 0.88 | | |
| Dipcreek----- | 30 | Very limited | | Very limited | |
| | | Depth to bedrock | 1.00 | Thin layer | 1.00 |
| | | Slope | 1.00 | Large stones | 1.00 |
| 166: | | | | | |
| Raynal----- | 90 | Very limited | | Somewhat limited | |
| | | Seepage | 1.00 | Depth to | 0.68 |
| | | | | saturated zone | |
| | | | | Piping | 0.26 |
| 167: | | | | | |
| Raynal----- | 60 | Very limited | | Somewhat limited | |
| | | Seepage | 1.00 | Depth to | 0.68 |
| | | | | saturated zone | |
| | | | | Piping | 0.26 |
| Lago----- | 30 | Very limited | | Very limited | |
| | | Seepage | 1.00 | Depth to | 1.00 |
| | | | | saturated zone | |
| | | | | Piping | 0.82 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 168: Ream----- | 55 | Very limited Seepage | 1.00 | Not limited | |
| Merkley----- | 30 | Very limited Seepage | 1.00 | Very limited Piping | 1.00 |
| 169: Redpine----- | 45 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.23 | Somewhat limited Thin layer Piping | 0.95 0.65 |
| Draney----- | 25 | Very limited Slope Depth to bedrock | 1.00 0.53 | Very limited Thin layer | 1.00 |
| Brushtop----- | 15 | Very limited Slope Seepage Depth to bedrock | 1.00 0.03 0.01 | Somewhat limited Thin layer Piping | 0.34 0.22 |
| 170: Rexburg----- | 80 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 171: Rexburg----- | 55 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| Iphil----- | 25 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 172: Rexburg----- | 50 | Somewhat limited Seepage Slope | 0.70 0.68 | Very limited Piping | 1.00 |
| Iphil----- | 25 | Somewhat limited Seepage Slope | 0.70 0.68 | Very limited Piping | 1.00 |
| 173: Rexburg----- | 65 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| Kucera----- | 25 | Somewhat limited Seepage | 0.81 | Very limited Piping | 1.00 |
| 174: Rexburg----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Kucera----- | 35 | Very limited Slope Seepage | 1.00 0.81 | Very limited Piping | 1.00 |
| 175: Rexburg----- | 60 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 175: Kucera----- | 35 | Very limited Slope Seepage | 1.00 0.81 | Very limited Piping | 1.00 |
| 176: Rexburg----- | 55 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| Ririe----- | 35 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 177: Rexburg----- | 50 | Somewhat limited Seepage Slope | 0.70 0.68 | Very limited Piping | 1.00 |
| Ririe----- | 25 | Somewhat limited Seepage Slope | 0.70 0.68 | Very limited Piping | 1.00 |
| 178: Rexburg----- | 50 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Ririe----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 179: Rexburg----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Watercanyon----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 180: Rexburg----- | 50 | Somewhat limited Slope Seepage | 0.92 0.70 | Very limited Piping | 1.00 |
| Wursten----- | 40 | Very limited Seepage Slope | 1.00 0.92 | Somewhat limited Piping | 0.60 |
| 181: Richollow----- | 70 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Seepage Large stones | 1.00 0.50 0.11 |
| Dranburn----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| 182: Richollow----- | 55 | Very limited Depth to bedrock Slope | 1.00 1.00 | Very limited Thin layer Seepage Large stones | 1.00 0.50 0.11 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 182: Ledgehollow----- | 30 | Very limited Slope Depth to bedrock | 1.00 0.66 | Very limited Thin layer Piping | 1.00 0.83 |
| 183: Ririe----- | 40 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| Iphil----- | 35 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 184: Sadducee----- | 55 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Piping | 1.00 0.90 |
| Bearbeach----- | 45 | Very limited Seepage | 1.00 | Very limited Depth to saturated zone Seepage | 1.00 1.00 |
| 185: Sheep Creek, dry----- | 40 | Very limited Slope Seepage Depth to bedrock | 1.00 0.72 0.56 | Somewhat limited Thin layer Seepage | 0.56 0.22 |
| Taylow, dry----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Piping | 1.00 0.92 |
| Dry Canyon, dry----- | 20 | Very limited Slope Seepage Depth to bedrock | 1.00 0.04 0.01 | Somewhat limited Piping Thin layer | 0.36 0.04 |
| 186: Slights----- | 65 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.18 |
| Dranburn----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |
| 187: Springhollow----- | 45 | Somewhat limited Slope Seepage Depth to cemented pan | 0.92 0.70 0.66 | Somewhat limited Piping Thin layer | 0.88 0.66 |
| Arbone----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 188: Springhollow, dry----- | 45 | Very limited Slope Seepage Depth to cemented pan | 1.00 0.70 0.66 | Somewhat limited Piping Thin layer | 0.88 0.66 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|--------------------------|---------------------------------------|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 188: Arbone, dry----- | 40 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 189: Spollow----- | 55 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| Lonjon----- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| 190: Spollow, dry----- | 55 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| Lonjon----- | 25 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| 191: Spollow----- | 35 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| Lonjon----- | 30 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| Mumford----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| 192: Spollow, dry----- | 35 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |
| Lonjon----- | 30 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| Mumford----- | 25 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Seepage Thin layer | 1.00 1.00 |
| 193: Spollow----- | 40 | Very limited Slope Depth to bedrock Seepage | 1.00 0.74 0.70 | Very limited Seepage Thin layer | 1.00 0.74 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 193: | | | | | |
| Wursten----- | 25 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| Lonjon----- | 15 | Very limited Slope Depth to bedrock Seepage | 1.00 0.95 0.70 | Very limited Seepage Thin layer | 1.00 0.95 |
| 194: | | | | | |
| Streek----- | 50 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.90 |
| Cleavage----- | 35 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Seepage | 1.00 0.20 |
| 195: | | | | | |
| Streek, moist----- | 40 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.90 |
| Streek----- | 25 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.90 |
| Swanpeak----- | 25 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| 196: | | | | | |
| Streek----- | 45 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.90 |
| Swanpeak----- | 35 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| 197: | | | | | |
| Streek----- | 35 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.90 |
| Swanpeak----- | 35 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| Sagollow----- | 25 | Somewhat limited Slope Seepage | 0.68 0.03 | Somewhat limited Depth to saturated zone Large stones | 0.98 0.18 |
| 198: | | | | | |
| Suryon----- | 90 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 199: | | | | | |
| Swan Flat----- | 65 | Very limited Seepage Slope | 1.00 1.00 | Very limited Piping Large stones | 1.00 0.01 |
| Dranburn----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.27 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|--------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 200: Swanpeak----- | 85 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| 201: Swanpeak----- | 60 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| Ant Flat----- | 25 | Very limited Slope Seepage | 1.00 0.02 | Somewhat limited Hard to pack | 0.13 |
| 202: Swanpeak----- | 50 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| Cloudless----- | 30 | Very limited Slope Seepage | 1.00 0.03 | Somewhat limited Piping | 0.11 |
| 203: Swanpeak----- | 70 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| Dutchcanyon----- | 20 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 204: Swanpeak----- | 45 | Very limited Slope | 1.00 | Somewhat limited Hard to pack Large stones | 0.73 0.02 |
| Dutchcanyon----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| Ant Flat----- | 25 | Very limited Slope Seepage | 1.00 0.02 | Somewhat limited Hard to pack | 0.13 |
| 205: Thatcher----- | 85 | Very limited Slope Seepage | 1.00 0.03 | Very limited Piping | 1.00 |
| 206: Thatcher, dry----- | 85 | Somewhat limited Slope Seepage | 0.32 0.03 | Very limited Piping | 1.00 |
| 207: Thatcher----- | 50 | Very limited Slope Seepage | 1.00 0.03 | Very limited Piping | 1.00 |
| Church Springs----- | 40 | Very limited Slope Seepage | 1.00 0.30 | Somewhat limited Piping | 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 208: | | | | | |
| Thatcher----- | 80 | Very limited Slope Seepage | 1.00 0.03 | Very limited Piping | 1.00 |
| Clegg----- | 20 | Very limited Slope Seepage | 1.00 0.53 | Somewhat limited Piping | 0.27 |
| 209: | | | | | |
| Thatcher----- | 60 | Somewhat limited Seepage | 0.03 | Very limited Piping | 1.00 |
| Joes----- | 25 | Somewhat limited Seepage | 0.70 | Somewhat limited Piping | 0.99 |
| 210: | | | | | |
| Thatcherflats----- | 75 | Somewhat limited Seepage | 0.70 | Very limited Piping | 1.00 |
| 211: | | | | | |
| Thomasfork----- | 95 | Somewhat limited Seepage | 0.70 | Very limited Depth to saturated zone | 1.00 |
| 212: | | | | | |
| Toponce----- | 50 | Very limited Slope | 1.00 | Somewhat limited Hard to pack | 0.68 |
| Bailcreek----- | 40 | Very limited Slope | 1.00 | Somewhat limited Large stones Hard to pack | 0.92 0.59 |
| 213: | | | | | |
| Tubbs Hollow----- | 50 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.96 | Somewhat limited Large stones Thin layer Seepage | 0.97 0.96 0.49 |
| Dry Canyon, dry----- | 35 | Very limited Slope Seepage Depth to bedrock | 1.00 0.04 0.01 | Somewhat limited Piping Thin layer | 0.36 0.04 |
| 214: | | | | | |
| Vicking----- | 85 | Somewhat limited Seepage | 0.70 | Somewhat limited Piping | 0.17 |
| 215: | | | | | |
| Vicking----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.17 |
| 216: | | | | | |
| Vicking----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.17 |
| 217: | | | | | |
| Vicking, dry----- | 85 | Somewhat limited Seepage Slope | 0.70 0.68 | Somewhat limited Piping | 0.17 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|--|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 218: Vicking, dry----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.17 |
| 219: Vicking----- | 55 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.17 |
| Cokeville----- | 35 | Very limited Slope Seepage Depth to bedrock | 1.00 0.03 0.01 | Somewhat limited Piping Thin layer | 0.07 0.01 |
| 220: Vipont----- | 55 | Very limited Slope Depth to bedrock Seepage | 1.00 0.99 0.03 | Very limited Large stones Thin layer | 1.00 0.99 |
| Dipcreek----- | 30 | Very limited Slope Depth to bedrock | 1.00 1.00 | Very limited Thin layer Large stones | 1.00 1.00 |
| 221: Vipont----- | 50 | Very limited Slope Depth to bedrock Seepage | 1.00 0.99 0.03 | Very limited Large stones Thin layer | 1.00 0.99 |
| Prucree----- | 35 | Very limited Seepage Slope Depth to bedrock | 1.00 1.00 0.88 | Somewhat limited Thin layer | 0.91 |
| 222: Vipont----- | 55 | Very limited Slope Depth to bedrock Seepage | 1.00 0.99 0.03 | Very limited Large stones Thin layer | 1.00 0.99 |
| Suryon----- | 35 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 223: Warshod----- | 45 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.01 | Somewhat limited Seepage Thin layer | 0.56 0.22 |
| Slan----- | 35 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.08 | Somewhat limited Thin layer | 0.81 |
| 224: Warshod, dry----- | 55 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.01 | Somewhat limited Seepage Thin layer | 0.56 0.22 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|-----------------------------------|---------------------------|--|--------------------------|---------------------------------------|----------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 224: Slan, dry----- | 35 | Very limited Slope Seepage Depth to bedrock | 1.00 0.70 0.08 | Somewhat limited Thin layer | 0.81 |
| 225: Water----- | 100 | Not rated | | Not rated | |
| 226: Water, miscellaneous----- | 100 | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Very limited Slope Seepage | 1.00 0.70 | Somewhat limited Piping | 0.36 |
| 228: Wursten----- | 75 | Very limited Seepage | 1.00 | Somewhat limited Piping | 0.60 |
| 229: Wursten----- | 80 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| 230: Wursten----- | 80 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| 231: Wursten, dry----- | 85 | Very limited Seepage Slope | 1.00 0.92 | Somewhat limited Piping | 0.60 |
| 232: Wursten----- | 50 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| Bearhollow----- | 30 | Very limited Seepage Slope | 1.00 1.00 | Very limited Piping | 1.00 |
| 233: Wursten----- | 55 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| Rexburg----- | 30 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |
| 234: Wursten----- | 45 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| Rexburg----- | 35 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Ponds and Embankments--Continued

| Map symbol and soil name | Pct. of map unit | Pond reservoir areas | | Embankments, dikes, and levees | |
|--------------------------------|---------------------------|---------------------------------------|------------------|---------------------------------------|----------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 235: Wursten, dry----- | 45 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Piping | 0.60 |
| Rexburg, dry----- | 35 | Very limited Slope Seepage | 1.00 0.70 | Very limited Piping | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Prime Farmland

Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland.)

| Map symbol | Map unit name | Farmland classification |
|------------|--|-----------------------------|
| 1 | Ant Flat silty clay loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 4 | Arbone silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 7 | Arbone-Wursten complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 12 | Bancroft silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 21 | Benning silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 32 | Broadhead silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 35 | Buist gravelly silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 38 | Buist very gravelly silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 39 | Buist-Arbone complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 51 | Chinhill silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 57 | Clegg silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 88 | Frenchollow silty clay loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 91 | Georgecanyon gravelly silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 92 | Hades silt loam, 0 to 4 percent slopes | Prime farmland if irrigated |
| 106 | Iphil silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 119 | Joes silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 130 | Lanoak silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 135 | Lanoak-Rexburg complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 159 | Pegram silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 166 | Raynal silty clay loam, 0 to 2 percent slopes | Prime farmland if irrigated |
| 167 | Raynal-Lago complex, 0 to 2 percent slopes | Prime farmland if irrigated |
| 170 | Rexburg silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |
| 171 | Rexburg-Iphil complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 173 | Rexburg-Kucera complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 176 | Rexburg-Ririe complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 183 | Ririe-Iphil complex, 1 to 4 percent slopes | Prime farmland if irrigated |
| 228 | Wursten silt loam, 1 to 4 percent slopes | Prime farmland if irrigated |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities

(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 1: Ant Flat----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 2: Ant Flat----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 3: Ant Flat----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 4: Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 5: Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 6: Arbone, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 7: Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 8: Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 9: Arbone, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Wursten, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 10: Bailcreek----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | — | — |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 10: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 11: Bailcreek----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | — | — |
| Toponce----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 12: Bancroft----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 13: Bancroft----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 14: Bancroft----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 15: Bear Lake----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 15: Bear Lake, ponded- | MARSH TYLA-SCAC3 (R013XY054ID) | 5,500 | 4,500 | 3,500 | bulrush----- broadleaf cattail----- | 65 35 |
| 16: Bear Lake----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| Chesbrook----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| La Roco----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |
| 17: Bear Lake----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| Lago----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 18: Bearbou----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |
| 19: Bearhollow----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Brifox----- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |
| Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 20: Bearhollow----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Brifox----- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 20: Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 21: Benning----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 22: Bern----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 23: Bezzant----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 24: Bezzant----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 25: Bischoff----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 26: Bloomington----- | MARSH TYLA-SCAC3 (R013XY054ID) | 5,500 | 4,500 | 3,500 | bulrush----- broadleaf cattail----- | 65 35 |
| 27: Boundridge----- | WINDSWEPT RIDGE 12-22 ARFR4-ARAR8/POA (R013XY046ID) | 400 | 275 | 50 | Sandberg bluegrass----- bluebunch wheatgrass----- Hood's phlox----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- miscellaneous perennial forbs-- goldenrod----- mountain big sagebrush----- | 25 25 20 7 7 6 4 3 3 |
| Sweetcreek----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 28: Boyd hollow----- | STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID) | 1,600 | 1,150 | 700 | bluebunch wheatgrass----- mountain big sagebrush----- mulesear wyethia----- miscellaneous perennial grasses miscellaneous shrubs----- snowberry----- Idaho fescue----- serviceberry----- sticky geranium----- tapertip hawksbeard----- | 25 15 10 10 10 10 5 5 5 5 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 28: Slan----- | GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID) | 1,500 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- miscellaneous shrubs----- Sandberg bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses snowberry----- basin big sagebrush----- | 45 15 8 5 5 5 5 5 5 2 |
| Cokeville----- | GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID) | 1,500 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- miscellaneous shrubs----- Sandberg bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses snowberry----- basin big sagebrush----- | 45 15 8 5 5 5 5 5 5 2 |
| 29: Brifox----- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |
| Lizdale----- | SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID) | 1,000 | 750 | 450 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- streambank wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| 30: Brifox----- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |
| Niter----- | LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 31: Brifox----- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |
| Niter----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 32: Broadhead----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 33: Broadhead----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 34: Broadhead----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Hades----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 34: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| 35: Buist----- | GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID) | 1,100 | 800 | 500 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- thickspike wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| 36: Buist----- | GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID) | 1,100 | 800 | 500 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- thickspike wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| 37: Buist, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 38: Buist----- | GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID) | 1,100 | 800 | 500 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- thickspike wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 39: Buist----- | GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID) | 1,100 | 800 | 500 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- thickspike wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 40: Burchert----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 5 3 2 |
| Whitetop----- | ASHY LOAM 13-16 ARTRV/PSSPS (R013XY009ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 5 3 2 |
| 41: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 42: Cedarhill, dry---- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| 43: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| Bearhollow----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 44: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| Buist----- | GRAVELLY LOAM 16-22 ARTRV/PSSP6 (R013XY007ID) | 1,100 | 800 | 500 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- thickspike wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 45: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| Burchert----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 3 5 2 |
| 46: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 47: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 47: Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Drage----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 48: Cedarhill, dry---- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| Pinehollow, dry---- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- Nevada bluegrass----- bottlebush squirreltail----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 49: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 50: Chesbrook----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| Bear Lake----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| 51: Chinhill----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 52: Chokecherry----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Dranyon----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 53: Chokecherry----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|------------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 53: Sights----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Sheep Creek----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 54: Chokecherry----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Tubbs Hollow----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Sheep Creek, dry-- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 55: Church Springs, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 55: Monida, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 56: Cleavage----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Rock outcrop. | | | | | | |
| 57: Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 58: Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 59: Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Grecan----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 60: Cooley, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Beehunt, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 61: Crossley----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Rock outcrop. | | | | | | |
| 62: Crossley----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Whitetop----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Rock outcrop. | | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 63: Cupine----- | STEEL SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| Dunford----- | STEEL SOUTH 16-22 ARTRV/PSSPS (R013XY003ID) | 1,600 | 1,150 | 700 | bluebunch wheatgrass----- mountain big sagebrush----- mulesear wyethia----- miscellaneous perennial grasses miscellaneous shrubs----- snowberry----- Idaho fescue----- serviceberry----- sticky geranium----- tapertip hawksbeard----- | 25 15 10 10 10 10 5 5 5 5 |
| 64: Cupine, dry----- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| Falula, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 65: Dennot, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Thatcher, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 66: Dingle----- | MARSH TYLA-SCAC3 (R013XY054ID) | 5,500 | 4,500 | 3,500 | bulrush----- broadleaf cattail----- | 65 35 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 67: Dinswamp----- | MARSH TYLA-SCAC3 (R013XY054ID) | 5,500 | 4,500 | 3,500 | bulrush----- broadleaf cattail----- | 65 35 |
| 68: Dipcreek----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| Cutoff----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Sheep Creek----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 69: Dipcreek----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| Rock outcrop. | | | | | | |
| 70: Dirtyhead----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 70: Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| 71: Dirtyhead----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 72: Dollarhide----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 73: Dollarhide----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses----- miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs----- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Grunder----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs----- miscellaneous perennial grasses----- pinegrass----- sedge----- Oregon grape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 74: Drage----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Causey----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses----- miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Lilcan----- | STEEP STONY MAHOGANY 16- 22 CELE3-ARTRV/PSSPS (R013XY015ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- curl-leaf mountain mahogany----- mountain big sagebrush----- Nevada bluegrass----- arrowleaf balsamroot----- cutleaf balsamroot----- longleaf hawksbeard----- miscellaneous perennial forbs----- miscellaneous perennial grasses----- miscellaneous shrubs----- slender wheatgrass----- snowberry----- | 20 20 10 5 5 5 5 5 5 5 5 5 |
| 75: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs----- miscellaneous perennial grasses----- pinegrass----- sedge----- Oregon grape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 75: Hoopgobel----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Ledgehollow----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 76: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| Pavohroo----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | — | — |
| 77: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| Pontuge----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 78: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| Poulridge----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 79: Dranyon----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 80: Dry Canyon, dry--- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 81: Dry Canyon, dry--- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Cutoff----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| 82: Dumps, mine. | | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 83: Dutchcanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 84: Dutchcanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Frenchhollow----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 85: Every----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| Preuss----- | SHALLOW SILT STONE 12-16 STAC/ACHY (R013XY043ID) | 500 | 300 | 75 | goldenweed----- Indian ricegrass----- alkali sagebrush----- needle and thread----- Hood's phlox----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- | 40 20 10 10 5 5 5 5 |
| 86: Every----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 86: Preuss----- | SHALLOW SILT STONE 12-16 STAC/ACHY (R013XY043ID) | 500 | 300 | 75 | goldenweed----- Indian ricegrass----- alkali sagebrush----- needle and thread----- Hood's phlox----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- | 40 20 10 10 5 5 5 5 |
| 87: Fishaven----- | SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID) | 1,000 | 750 | 450 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- streambank wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| Dutchcanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 88: Frenchollow----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 89: Frenchollow----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 90: Fury----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |
| 91: Georgecanyon----- | SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID) | 1,000 | 750 | 450 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- streambank wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| 92: Hades----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 93: Hades----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 94: Hades----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 95: Hades----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Horrocks----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 96: Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 97: Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 97: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 98: Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 3 2 |
| Horrocks----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 99: Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 3 2 |
| Zeebar----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 99: Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 100: Hoopgobel----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Cadero----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 101: Hoopgobel----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Slights----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 102: Horrocks----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Cedarhill----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| 103: Horrocks----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Cleavage----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| 104: Horrocks----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Cleavage----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 105: Hutchley----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Cupine----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| Vitale----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| 106: Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 107: Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 108: Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 109: Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Watercanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 110: Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Watercanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 111: Iphil, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Watercanyon, dry-- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 112: Ireland----- | STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID) | 1,600 | 1,150 | 700 | bluebunch wheatgrass----- mountain big sagebrush----- mulesear wyethia----- miscellaneous perennial grasses miscellaneous shrubs----- snowberry----- Idaho fescue----- serviceberry----- sticky geranium----- tapertip hawksbeard----- | 25 15 10 10 10 10 5 5 5 5 |
| Falula----- | SHALLOW GRAVELLY 12-16 ARTRV/PSSPS (R013XY004ID) | 1,000 | 750 | 450 | bluebunch wheatgrass----- mountain big sagebrush----- Nevada bluegrass----- serviceberry----- arrowleaf balsamroot----- rabbitbrush----- longleaf hawksbeard----- Sandberg bluegrass----- miscellaneous perennial forbs-- antelope bitterbrush----- snowberry----- streambank wheatgrass----- | 35 15 7 5 5 5 5 5 5 5 5 3 |
| Vicking----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 113: Jacanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 113: Cleavage----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses----- miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| 114: Jebo, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Cokeville, dry---- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Dennot, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 115: Jebo----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Cupine----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses----- aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 116: Jebo, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Cupine, dry----- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| 117: Jebo----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Dipcreek----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| 118: Jebo, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Dipcreek, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 119: Joes----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 120: Joes----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 121: Kucera----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 122: Kucera----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Chausse----- | GRAVELLY SOUTH SLOPE 12- 16 ARTRV/PSSPS (R013XY012ID) | 1,500 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- miscellaneous shrubs----- Sandberg bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses snowberry----- basin big sagebrush----- | 45 15 8 5 5 5 5 5 5 2 |
| Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 123: La Roco----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |
| 124: La Roco, saline--- | SALINE SEMIWET MEADOW DISP (R013XY052ID) | 1,850 | 1,400 | 900 | inland saltgrass----- alkali bluegrass----- miscellaneous perennial grasses miscellaneous shrubs----- alkali sacaton----- Baltic rush----- basin wildrye----- black greasewood----- rabbitbrush----- curly dock----- yarrow----- rush----- | 35 10 10 10 7 5 5 5 5 3 3 2 |
| 125: Lag----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | --- | --- |
| Dollarhide----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 4 3 3 2 |
| Rock outcrop. | | | | | | |
| 126: Lag----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | --- | --- |
| Dranyon----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 127: Lago----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 128: Lago----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |
| Bear Lake----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| 129: Lago----- | DRY MEADOW PONE-PHAL2 (R013XY038ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |
| Merkley----- | LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID) | 1,800 | 1,200 | 750 | basin big sagebrush----- thickspike wheatgrass----- basin wildrye----- bluebunch wheatgrass----- miscellaneous shrubs----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses rabbitbrush----- western wheatgrass----- arrowleaf balsamroot----- longleaf hawksbeard----- letterman needlegrass----- lupine----- | 20 15 10 10 10 5 5 5 5 5 3 3 2 2 |
| 130: Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 131: Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 132: Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 133: Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 134: Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 135: Lanoak----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 136: Leftfork----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Cleavage----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| 137: Lilcan----- | STEEP STONY MAHOGANY 16- 22 CELE3-ARTRV/PSSPS (R013XY015ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- curl-leaf mountain mahogany---- mountain big sagebrush----- Nevada bluegrass----- arrowleaf balsamroot----- cutleaf balsamroot----- longleaf hawksbeard----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- | 20 20 10 5 5 5 5 5 5 5 5 5 |
| Rock outcrop. | | | | | | |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 137: Jacanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 138: Lilcan----- | STEEP STONY MAHOGANY 16- 22 CELE3-ARTRV/PSSPS (R013XY015ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- curl-leaf mountain mahogany--- mountain big sagebrush----- Nevada bluegrass----- arrowleaf balsamroot----- cutleaf balsamroot----- longleaf hawksbeard----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- | 20 20 10 5 5 5 5 5 5 5 5 5 |
| Watkins Ridge, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Jacanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 139: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Kucera----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 139: Sprollow----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| 140: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Kucera, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Sprollow, dry----- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| 141: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Monida----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 141: Chokecherry----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| 142: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| Rock outcrop. | | | | | | |
| 143: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Sheep Creek----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Dipcreek----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 144: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Sprollow----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 3 3 2 2 |
| Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| 145: Marshdale----- | RIPARIAN WET MEADOW SALIX/CAREX (R013XY050ID) | 3,000 | 2,400 | 1,700 | beaked sedge----- water sedge----- willow----- miscellaneous perennial grasses western polemonium----- miscellaneous perennial forbs-- miscellaneous shrubs----- | 25 25 20 10 10 5 5 |
| Bloomcreek----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |
| 146: Merkley----- | LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID) | 1,800 | 1,200 | 750 | basin big sagebrush----- thickspike wheatgrass----- basin wildrye----- bluebunch wheatgrass----- miscellaneous shrubs----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses rabbitbrush----- western wheatgrass----- arrowleaf balsamroot----- longleaf hawksbeard----- letterman needlegrass----- lupine----- | 20 15 10 10 10 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 147: Millerditch----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 |
| Cookcan----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |
| 148: Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| 149: Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| Sprollow----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 150: Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| Sprowlow, dry---- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| 151: Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| Sprowlow, dry---- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| 152: Nielsen----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 152: Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 153: North Beach----- | SALINE SEMIWET MEADOW DISP (R013XY052ID) | 1,850 | 1,400 | 900 | inland saltgrass----- alkali bluegrass----- miscellaneous perennial grasses miscellaneous shrubs----- alkali sacaton----- Baltic rush----- basin wildrye----- black greasewood----- rabbitbrush----- curly dock----- yarrow----- rush----- | 35 10 10 10 7 5 5 5 5 3 3 2 |
| 154: Nuffer----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |
| Blackotter----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |
| 155: Nythar----- | MEADOW DECA18-CANE2 (R013XY038ID) | 4,500 | 3,600 | 3,000 | Nebraska sedge----- sedge----- tufted hairgrass----- Kentucky bluegrass----- cinquefoil----- clover----- meadow foxtail----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- redtop----- | 20 20 20 5 5 5 5 5 5 5 5 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 155: Sagollow----- | STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID) | 1,600 | 1,150 | 700 | bluebunch wheatgrass----- mountain big sagebrush----- mulesear wyethia----- miscellaneous perennial grasses miscellaneous shrubs----- snowberry----- Idaho fescue----- serviceberry----- sticky geranium----- tapertip hawksbeard----- | 25 15 10 10 10 10 5 5 5 5 |
| 156: Ovidcreek----- | SALINE SEMIWET MEADOW DISP (R013XY052ID) | 1,850 | 1,400 | 900 | inland saltgrass----- alkali bluegrass----- miscellaneous perennial grasses miscellaneous shrubs----- alkali sacaton----- Baltic rush----- basin wildrye----- black greasewood----- rabbitbrush----- curly dock----- yarrow----- rush----- | 35 10 10 10 7 5 5 5 5 3 3 2 |
| 157: Parding----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Firading----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Hagenbarth----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 158: Parding, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 158: Firading, dry---- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Hagenbarth, dry--- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 159: Pegram----- | LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID) | 1,800 | 1,200 | 750 | basin big sagebrush----- thickspike wheatgrass----- basin wildrye----- bluebunch wheatgrass----- miscellaneous shrubs----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses rabbitbrush----- western wheatgrass----- arrowleaf balsamroot----- longleaf hawksbeard----- letterman needlegrass----- lupine----- | 20 15 10 10 10 5 5 5 5 5 3 3 2 2 |
| 160: Pinegap----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| 161: Pinehollow----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 161: Ant Flat----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Sheep Creek----- | STONY LOAM 13-16 ARTRV/PSSPS (R013XY002ID) | 1,400 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 162: Pits, gravel. | | | | | | |
| 163: Pontuge----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Cokeville----- | GRAVELLY SOUTH SLOPE 12- 16 ARTRV/PSSPS (R013XY012ID) | 1,500 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- miscellaneous shrubs----- Sandberg bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses snowberry----- basin big sagebrush----- | 45 15 8 5 5 5 5 5 5 2 |
| 164: Preussrange----- | STEEP STONY MAHOGANY 16- 22 CELE3-ARTRV/PSSPS (R013XY015ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- curl-leaf mountain mahogany--- mountain big sagebrush----- Nevada bluegrass----- arrowleaf balsamroot----- cutleaf balsamroot----- longleaf hawksbeard----- miscellaneous perennial forbs-- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- | 20 20 10 5 5 5 5 5 5 5 5 5 |
| Halfcircle----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | — | — |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 165: Prucree----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Dipcreek----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| 166: Raynal----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |
| 167: Raynal----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |
| Lago----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 168: Ream----- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |
| Merkley----- | LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID) | 1,800 | 1,200 | 750 | basin big sagebrush----- thickspike wheatgrass----- basin wildrye----- bluebunch wheatgrass----- miscellaneous shrubs----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses rabbitbrush----- western wheatgrass----- arrowleaf balsamroot----- longleaf hawksbeard----- letterman needlegrass----- lupine----- | 20 15 10 10 10 5 5 5 5 5 3 3 2 2 |
| 169: Redpine----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Draney----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Brushtop----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 170: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 171: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 172: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 173: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Kucera----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 174: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Kucera----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 175: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Kucera----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 176: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Ririe----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 177: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Ririe----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 178: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Ririe----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 179: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Watercanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 180: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 181: Richollow----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 182: Richollow----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Ledgehollow----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 183: Ririe----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Iphil----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 184: Sadducee----- | MARSH CARO6 (R013XY055ID) | 5,500 | 4,500 | 3,500 | beaked sedge----- water sedge----- Baltic rush----- Nebraska sedge----- American bulrush----- broadleaf cattail----- hardstem bulrush----- miscellaneous perennial forbs-- alkali muhly----- | 40 40 3 3 3 3 3 3 2 |
| Bearbeach----- | MARSH CARO6 (R013XY055ID) | 5,500 | 4,500 | 3,500 | beaked sedge----- water sedge----- Baltic rush----- Nebraska sedge----- American bulrush----- broadleaf cattail----- hardstem bulrush----- miscellaneous perennial forbs-- alkali muhly----- | 40 40 3 3 3 3 3 3 2 |
| 185: Sheep Creek, dry-- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Taylow, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Dry Canyon, dry--- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 186: Slightness----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregon grape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 187: Springhollow----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Arbone----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 188: Springhollow, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| Arbone, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 189: Sprollo-- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| 190: Sprollo, dry---- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| 191: Sprollo-- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 191: Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| 192: Sprollow, dry---- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| Mumford----- | LOAMY 12-16 ARARL/PSSPS (R013XY042ID) | 1,100 | 900 | 650 | alkali sagebrush----- bluebunch wheatgrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- Hood's phlox----- Nevada bluegrass----- biscuitroot----- milkvetch----- prairie Junegrass----- rabbitbrush----- wheatgrass----- | 25 25 8 7 5 5 5 5 5 5 5 |
| 193: Sprollow----- | STEEP SOUTH SLOPES 12-16 ARTRV/PSSPS (R013XY008ID) | 1,400 | 1,000 | 550 | bluebunch wheatgrass----- mountain big sagebrush----- letterman needlegrass----- Idaho fescue----- Nevada bluegrass----- longleaf hawksbeard----- lupine----- slender wheatgrass----- sticky geranium----- western wheatgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses aster----- western yarrow----- | 25 20 10 5 5 5 5 5 5 5 3 3 2 2 |
| Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 193: Lonjon----- | LIMESTONE GRAVELLY 12-16 ARNO4/PSSPS (R013XY040ID) | 800 | 500 | 350 | black sagebrush----- bluebunch wheatgrass----- miscellaneous perennial grasses Hood's phlox----- Nevada bluegrass----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous shrubs----- rabbitbrush----- Indian ricegrass----- | 30 30 8 5 5 5 5 5 5 2 |
| 194: Streek----- | CLAY SEEP 12-16 WYAM (R025XY033ID) | 1,200 | 850 | 700 | mulesear wyethia----- Idaho fescue----- lupine----- bottlebush squirreltail----- low sagebrush----- | 60 15 15 5 5 |
| Cleavage----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| 195: Streek, moist---- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| Streek----- | CLAY SEEP 12-16 WYAM (R025XY033ID) | 1,200 | 850 | 700 | mulesear wyethia----- Idaho fescue----- lupine----- bottlebush squirreltail----- low sagebrush----- | 60 15 15 5 5 |
| Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| 196: Streek----- | CLAY SEEP 12-16 WYAM (R025XY033ID) | 1,200 | 850 | 700 | mulesear wyethia----- Idaho fescue----- lupine----- bottlebush squirreltail----- low sagebrush----- | 60 15 15 5 5 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 196: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| 197: Streek----- | CLAY SEEP 12-16 WYAM (R025XY033ID) | 1,200 | 850 | 700 | mulesear wyethia----- Idaho fescue----- lupine----- bottlebrush squirreltail----- low sagebrush----- | 60 15 15 5 5 |
| Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| Sagollow----- | STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID) | 1,600 | 1,150 | 700 | bluebunch wheatgrass----- mountain big sagebrush----- mulesear wyethia----- miscellaneous perennial grasses miscellaneous shrubs----- snowberry----- Idaho fescue----- serviceberry----- sticky geranium----- tapertip hawksbeard----- | 25 15 10 10 10 10 5 5 5 5 |
| 198: Suryon----- | LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID) | 1,800 | 1,200 | 750 | basin big sagebrush----- thickspike wheatgrass----- basin wildrye----- bluebunch wheatgrass----- miscellaneous shrubs----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses rabbitbrush----- western wheatgrass----- arrowleaf balsamroot----- longleaf hawksbeard----- letterman needlegrass----- lupine----- | 20 15 10 10 10 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 199: Swan Flat----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| Dranburn----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| 200: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| 201: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| Ant Flat----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 202: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| Cloudless----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 203: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| Dutchcanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 204: Swanpeak----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 204: Dutchcanyon----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Ant Flat----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 205: Thatcher----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 206: Thatcher, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 207: Thatcher----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Church Springs---- | LOAMY 12-16 ARTRT/PSSPS (R013XY032ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- basin big sagebrush----- Nevada bluegrass----- prairie Junegrass----- antelope bitterbrush----- arrowleaf balsamroot----- sunflower----- western wheatgrass----- needlegrass----- streambank wheatgrass----- | 35 20 10 10 5 5 5 5 3 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 208: Thatcher----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Clegg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 209: Thatcher----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Joes----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 210: Thatcherflats----- | SALINE SEMIWET MEADOW DISP (R013XY052ID) | 1,850 | 1,400 | 900 | inland saltgrass----- alkali bluegrass----- miscellaneous perennial grasses miscellaneous shrubs----- alkali sacaton----- Baltic rush----- basin wildrye----- black greasewood----- rabbitbrush----- curly dock----- yarrow----- rush----- | 35 10 10 10 7 5 5 5 5 3 3 2 |
| 211: Thomasfork----- | DRY MEADOW PONE-PHAL2 (R013XY039ID) | 2,000 | 1,300 | 800 | sedge----- slender wheatgrass----- tufted hairgrass----- basin wildrye----- Kentucky bluegrass----- mountain brome----- streambank wheatgrass----- western wheatgrass----- clover----- miscellaneous perennial grasses redtop----- rush----- shrubby cinquefoil----- | 20 20 15 10 5 5 5 5 3 3 3 3 3 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 212: Toponce----- | MOIST MOUNTAIN LOAM 20- POTR5 (R013XY016ID) | 7,000 | 5,800 | 4,600 | quaking aspen----- mountain brome----- other native shrubs----- miscellaneous perennial forbs-- miscellaneous perennial grasses pinegrass----- sedge----- Oregongrape----- common chokecherry----- currant----- | 85 2 2 2 2 2 2 1 1 1 |
| Bailcreek----- | MOUNTAIN LOAMY 22- PSMEG/SYOR2 (R013XY017ID) | 500 | 350 | 150 | — | — |
| 213: Tubbs Hollow----- | SHALLOW STONY 12-20 ARAR8/PSSPS (R013XY014ID) | 1,000 | 700 | 400 | bluebunch wheatgrass----- low sagebrush----- miscellaneous perennial grasses miscellaneous shrubs----- arrowleaf balsamroot----- aster----- lupine----- miscellaneous perennial forbs-- Nevada bluegrass----- Sandberg bluegrass----- Idaho fescue----- | 30 25 10 8 5 5 5 4 3 3 2 |
| Dry Canyon, dry--- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 214: Vicking----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 215: Vicking----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 216: Vicking----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|---|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 217: Vicking, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 218: Vicking, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 219: Vicking----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Cokeville----- | GRAVELLY SOUTH SLOPE 12- 16 ARTRV/PSSPS (R013XY012ID) | 1,500 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- miscellaneous shrubs----- Sandberg bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses snowberry----- basin big sagebrush----- | 45 15 8 5 5 5 5 5 5 2 |
| 220: Vipont----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |
| Dipcreek----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 5 3 3 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|---|---|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 221: Vipont----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| Prucree----- | LOAMY 16-22 ARTRV/FEID- PSSPS (R013XY005ID) | 2,400 | 1,850 | 1,300 | bluebunch wheatgrass----- Idaho fescue----- mountain big sagebrush----- Columbia needlegrass----- antelope bitterbrush----- arrowleaf balsamroot----- basin wildrye----- cutleaf balsamroot----- miscellaneous perennial grasses miscellaneous shrubs----- slender wheatgrass----- snowberry----- geranium----- lupine----- | 30 10 10 5 5 5 5 5 5 5 5 3 2 |
| 222: Vipont----- | STONY LOAM 16-22 ARTRV/PSSPS (R013XY019ID) | 1,800 | 1,100 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- Columbia needlegrass----- Idaho fescue----- antelope bitterbrush----- arrowleaf balsamroot----- cutleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses slender wheatgrass----- geranium----- snowberry----- lupine----- miscellaneous shrubs----- | 40 10 5 5 5 5 5 5 5 3 3 2 2 |
| Suryon----- | LOAMY BOTTOM 12-16 ARTRT/LECI4-ELLAL (R013XY045ID) | 1,800 | 1,200 | 750 | basin big sagebrush----- thickspike wheatgrass----- basin wildrye----- bluebunch wheatgrass----- miscellaneous shrubs----- Sandberg bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses rabbitbrush----- western wheatgrass----- arrowleaf balsamroot----- longleaf hawksbeard----- letterman needlegrass----- lupine----- | 20 15 10 10 10 5 5 5 5 5 3 3 2 2 |
| 223: Warshod----- | STEEP SOUTH 16-22 ARTRV/PSSPS (R013XY003ID) | 1,600 | 1,150 | 700 | bluebunch wheatgrass----- mountain big sagebrush----- mulesear wyethia----- miscellaneous perennial grasses miscellaneous shrubs----- snowberry----- Idaho fescue----- serviceberry----- sticky geranium----- tapertip hawksbeard----- | 25 15 10 10 10 10 5 5 5 5 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|------------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 223: Slan----- | GRAVELLY SOUTH SLOPE 12-16 ARTRV/PSSPS (R013XY012ID) | 1,500 | 1,000 | 600 | bluebunch wheatgrass----- mountain big sagebrush----- miscellaneous shrubs----- Sandberg bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- miscellaneous perennial forbs-- miscellaneous perennial grasses snowberry----- basin big sagebrush----- | 45 15 8 5 5 5 5 5 2 |
| 224: Warshod, dry----- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| Slan, dry----- | SOUTH SLOPE LOAMY 12-16 ARTRW8/PSSPS (R013XY035ID) | 800 | 500 | 300 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- arrowleaf balsamroot----- miscellaneous perennial forbs-- antelope bitterbrush----- needle and thread----- Indian ricegrass----- Nevada bluegrass----- mountain big sagebrush----- miscellaneous shrubs----- squirreltail----- | 40 15 10 10 7 5 3 2 2 2 2 2 |
| 225: Water. | | | | | | |
| 226: Water, miscellaneous. | | | | | | |
| 227: Watkins Ridge, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 228: Wursten----- | LOAMY 12-16 ARTRV/PSSPS-FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 229: Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 230: Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 231: Wursten, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebrush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 232: Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Bearhollow----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 233: Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |

Soil Survey of Bear Lake County Area, Idaho

Rangeland Productivity and Characteristic Plant Communities--Continued
(Only the soils that support rangeland vegetation suitable for grazing are rated.)

| Map symbol and soil name | Ecological site or habitat type | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------------|--|-----------------------------|----------------|---------------------|--|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/acre | Lb/acre | Lb/acre | | Pct |
| 233: Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| 234: Wursten----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Rexburg----- | LOAMY 12-16 ARTRV/PSSPS- FEID (R013XY001ID) | 1,800 | 1,200 | 800 | bluebunch wheatgrass----- mountain big sagebrush----- streambank wheatgrass----- letterman needlegrass----- Kentucky bluegrass----- antelope bitterbrush----- arrowleaf balsamroot----- prairie Junegrass----- slender wheatgrass----- snowberry----- big bluegrass----- | 35 15 10 8 5 5 5 5 5 5 2 |
| Wursten, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |
| 235: Rexburg, dry----- | LOAMY 12-16 ARTRW8/PSSPS (R013XY036ID) | 1,100 | 850 | 600 | bluebunch wheatgrass----- Wyoming big sagebrush----- Sandberg bluegrass----- miscellaneous shrubs----- miscellaneous perennial forbs-- arrowleaf balsamroot----- needle and thread----- bottlebush squirreltail----- Nevada bluegrass----- streambank wheatgrass----- | 50 15 10 8 5 3 3 2 2 2 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Shallow excavations | Lawns and landscaping |
|--------------------------------|---------------------------|---|--|---------------------------------------|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 1: Ant Flat----- | 75 | Very limited Shrink-swell Low strength Frost action | Very limited Cutbanks cave Too clayey | Not limited |
| | | 1.00 1.00 0.50 | 1.00 0.28 | |
| 2: Ant Flat----- | 80 | Very limited Shrink-swell Low strength Frost action Slope | Very limited Cutbanks cave Too clayey Slope | Somewhat limited Slope |
| | | 1.00 1.00 0.50 0.01 | 1.00 0.28 0.01 | 0.01 |
| 3: Ant Flat----- | 80 | Very limited Shrink-swell Low strength Too steep Frost action | Very limited Cutbanks cave Too steep Too clayey | Very limited Too steep |
| | | 1.00 1.00 1.00 0.50 | 1.00 1.00 0.28 | 1.00 |
| 4: Arbone----- | 85 | Somewhat limited Frost action | Very limited Cutbanks cave | Not limited |
| | | 0.50 | 1.00 | |
| 5: Arbone----- | 80 | Somewhat limited Frost action Slope | Very limited Cutbanks cave Slope | Somewhat limited Slope |
| | | 0.50 0.01 | 1.00 0.01 | 0.01 |
| 6: Arbone, dry----- | 80 | Very limited Too steep Frost action | Very limited Cutbanks cave Too steep | Very limited Too steep |
| | | 1.00 0.50 | 1.00 1.00 | 1.00 |
| 7: Arbone----- | 60 | Somewhat limited Frost action | Very limited Cutbanks cave | Not limited |
| | | 0.50 | 1.00 | |
| Wursten----- | 25 | Somewhat limited Frost action | Very limited Cutbanks cave | Not limited |
| | | 0.50 | 1.00 | |
| 8: Arbone----- | 55 | Somewhat limited Frost action Slope | Very limited Cutbanks cave Slope | Somewhat limited Slope |
| | | 0.50 0.01 | 1.00 0.01 | 0.01 |
| Wursten----- | 35 | Somewhat limited Frost action Slope | Very limited Cutbanks cave Slope | Somewhat limited Slope |
| | | 0.50 0.01 | 1.00 0.01 | 0.01 |
| 9: Arbone, dry----- | 55 | Somewhat limited Frost action Slope | Very limited Cutbanks cave Slope | Somewhat limited Slope |
| | | 0.50 0.01 | 1.00 0.01 | 0.01 |
| Wursten, dry----- | 35 | Somewhat limited Frost action Slope | Very limited Cutbanks cave Slope | Somewhat limited Slope |
| | | 0.50 0.01 | 1.00 0.01 | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|--|----------------------------------|---|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 10: | | | | | | | |
| Bailcreek----- | 75 | Very limited Shrink-swell Too steep Low strength Large stones Frost action | 1.00 1.00 1.00 0.92 0.50 | Very limited Too steep Large stones Too clayey Cutbanks cave | 1.00 0.92 0.12 0.10 | Very limited Too steep | 1.00 |
| Dranburn----- | 20 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 11: | | | | | | | |
| Bailcreek----- | 55 | Very limited Shrink-swell Low strength Large stones Slope Frost action | 1.00 1.00 0.92 0.63 0.50 | Somewhat limited Large stones Slope Too clayey Cutbanks cave | 0.92 0.63 0.12 0.10 | Somewhat limited Slope | 0.63 |
| Toponce----- | 40 | Very limited Low strength Shrink-swell Slope Frost action | 1.00 1.00 0.63 0.50 | Somewhat limited Slope Too clayey Cutbanks cave | 0.63 0.12 0.10 | Somewhat limited Slope | 0.63 |
| 12: | | | | | | | |
| Bancroft----- | 80 | Very limited Frost action Low strength | 1.00 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 13: | | | | | | | |
| Bancroft----- | 80 | Very limited Frost action Low strength Slope | 1.00 1.00 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 14: | | | | | | | |
| Bancroft----- | 85 | Very limited Frost action Low strength Too steep | 1.00 1.00 1.00 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 15: | | | | | | | |
| Bear Lake----- | 55 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.96 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.96 |
| Bear Lake, ponded----- | 25 | Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Ponding Depth to saturated zone Cutbanks cave | 1.00 1.00 0.10 | Very limited Ponding Depth to saturated zone | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|---|--------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 16: Bear Lake----- | 40 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.96 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.96 |
| Chesbrook----- | 25 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell Flooding | 1.00 1.00 1.00 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Very limited Depth to saturated zone Carbonate content | 1.00 1.00 |
| La Roco----- | 15 | Very limited Frost action Low strength Shrink-swell Flooding | 1.00 1.00 0.44 0.40 | Very limited Cutbanks cave Depth to saturated zone | 1.00 0.99 | Very limited Carbonate content | 1.00 |
| 17: Bear Lake----- | 50 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.96 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.96 |
| Lago----- | 35 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.56 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.56 |
| 18: Bearbou----- | 85 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell Flooding | 1.00 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 1.00 | Very limited Depth to saturated zone | 1.00 |
| 19: Bearhollow----- | 30 | Somewhat limited Frost action Slope | 0.50 0.01 | Very limited Cutbanks cave Slope | 1.00 0.01 | Somewhat limited Gravel Slope | 0.61 0.01 |
| Brifox----- | 25 | Very limited Shrink-swell Low strength Frost action Slope | 1.00 1.00 0.50 0.01 | Very limited Cutbanks cave Too clayey Slope | 1.00 0.41 0.01 | Somewhat limited Slope | 0.01 |
| Iphil----- | 20 | Very limited Frost action Slope | 1.00 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 20: | | | | | | | |
| Bearhollow----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | Gravel | 0.61 |
| Brifox----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Shrink-swell | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Too steep | 1.00 | | |
| | | Too steep | 1.00 | Too clayey | 0.41 | | |
| | | Frost action | 0.50 | | | | |
| Iphil----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Frost action | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Too steep | 1.00 | Cutbanks cave | 0.10 | | |
| 21: | | | | | | | |
| Benning----- | 90 | Very limited | | Very limited | | Not limited | |
| | | Low strength | 1.00 | Cutbanks cave | 1.00 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| 22: | | | | | | | |
| Bern----- | 90 | Very limited | | Somewhat limited | | Not limited | |
| | | Frost action | 1.00 | Depth to | 0.97 | | |
| | | Low strength | 1.00 | saturated zone | | | |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| 23: | | | | | | | |
| Bezzant----- | 75 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Cutbanks cave | 1.00 | Slope | 0.37 |
| | | Frost action | 0.50 | Slope | 0.37 | Gravel | 0.26 |
| | | Slope | 0.37 | | | | |
| 24: | | | | | | | |
| Bezzant----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | Too steep | 1.00 | Gravel | 0.26 |
| | | Frost action | 0.50 | | | | |
| Swanpeak----- | 45 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | Large stones | 0.61 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | Slope | 0.01 |
| | | Frost action | 0.50 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | Slope | 0.01 | | |
| | | Slope | 0.01 | | | | |
| 25: | | | | | | | |
| Bischoff----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.99 | Too clayey | 0.02 | | |
| | | Frost action | 0.50 | | | | |
| Hagenbarth----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | | | | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--|---|------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 26: Bloomington----- | 80 | Very limited Depth to saturated zone Frost action Low strength Ponding Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to saturated zone Ponding | 1.00 1.00 |
| 27: Boundridge----- | 75 | Somewhat limited Depth to thin cemented pan Frost action Slope | 1.00 0.50 0.04 | Very limited Depth to thin cemented pan Cutbanks cave Slope | 1.00 1.00 0.04 | Very limited Depth to bedrock Depth to cemented pan Droughty Gravel Large stones | 1.00 1.00 1.00 0.99 0.05 |
| Sweetcreek----- | 20 | Somewhat limited Frost action Slope | 0.50 0.04 | Somewhat limited Cutbanks cave Slope Depth to soft bedrock | 0.10 0.04 0.01 | Somewhat limited Slope Depth to bedrock | 0.04 0.01 |
| 28: Boyd hollow----- | 35 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep Gravel Droughty | 1.00 0.68 0.35 |
| Slan----- | 30 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave Depth to soft bedrock | 1.00 1.00 0.29 | Very limited Too steep Gravel Depth to bedrock | 1.00 1.00 0.29 |
| Cokeville----- | 15 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| 29: Brifox----- | 75 | Very limited Shrink-swell Low strength Frost action Slope | 1.00 1.00 0.50 0.01 | Very limited Cutbanks cave Too clayey Slope | 1.00 0.41 0.01 | Somewhat limited Slope | 0.01 |
| Lizdale----- | 20 | Somewhat limited Frost action Slope | 0.50 0.01 | Very limited Cutbanks cave Slope | 1.00 0.01 | Very limited Carbonate content Gravel Droughty Slope | 1.00 0.38 0.04 0.01 |
| 30: Brifox----- | 45 | Very limited Shrink-swell Low strength Frost action Slope | 1.00 1.00 0.50 0.01 | Very limited Cutbanks cave Too clayey Slope | 1.00 0.41 0.01 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|--|--|----------------------------------|--|--------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 30: Niter----- | 35 | Very limited Shrink-swell Low strength Frost action Slope | 1.00 1.00 0.50 0.01 | Very limited Cutbanks cave Too clayey Slope | 1.00 0.28 0.01 | Somewhat limited Slope | 0.01 |
| 31: Brifox----- | 45 | Very limited Shrink-swell Low strength Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Cutbanks cave Too steep Too clayey | 1.00 1.00 0.41 | Very limited Too steep | 1.00 |
| Niter----- | 35 | Very limited Shrink-swell Low strength Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Cutbanks cave Too steep Too clayey | 1.00 1.00 0.28 | Very limited Too steep | 1.00 |
| 32: Broadhead----- | 85 | Very limited Low strength Shrink-swell Frost action | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave Too clayey | 0.10 0.03 | Not limited | |
| 33: Broadhead----- | 80 | Very limited Low strength Shrink-swell Frost action Slope | 1.00 1.00 0.50 0.01 | Somewhat limited Cutbanks cave Too clayey Slope | 0.10 0.03 0.01 | Somewhat limited Slope | 0.01 |
| 34: Broadhead----- | 40 | Very limited Low strength Shrink-swell Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave Too clayey | 1.00 0.10 0.03 | Very limited Too steep | 1.00 |
| Hades----- | 40 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Swanpeak----- | 20 | Very limited Shrink-swell Too steep Low strength Frost action Large stones | 1.00 1.00 1.00 0.50 0.02 | Very limited Too steep Too clayey Cutbanks cave Large stones | 1.00 0.12 0.10 0.02 | Very limited Too steep Large stones | 1.00 0.61 |
| 35: Buist----- | 85 | Somewhat limited Frost action Large stones | 0.50 0.09 | Very limited Cutbanks cave Large stones | 1.00 0.09 | Somewhat limited Large stones Droughty Gravel | 0.05 0.02 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 36: Buist----- | 90 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Large stones | 0.05 |
| | | Large stones | 0.09 | Large stones | 0.09 | Droughty | 0.02 |
| | | Slope | 0.01 | Slope | 0.01 | Gravel | 0.01 |
| | | | | | | Slope | 0.01 |
| 37: Buist, dry----- | 90 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Large stones | 0.05 |
| | | Large stones | 0.09 | Large stones | 0.09 | Droughty | 0.02 |
| | | Slope | 0.01 | Slope | 0.01 | Gravel | 0.01 |
| | | | | | | Slope | 0.01 |
| 38: Buist----- | 90 | Somewhat limited | | Very limited | | Very limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Gravel | 1.00 |
| | | Large stones | 0.08 | Large stones | 0.08 | Droughty | 0.02 |
| 39: Buist----- | 65 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Large stones | 0.05 |
| | | Large stones | 0.09 | Large stones | 0.09 | Droughty | 0.02 |
| | | | | | | Gravel | 0.01 |
| Arbone----- | 30 | Somewhat limited | | Very limited | | Not limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | | |
| 40: Burchert----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Too steep | 1.00 | Depth to bedrock | 0.46 |
| | | Frost action | 0.50 | Depth to soft | 0.46 | Gravel | 0.01 |
| | | Shrink-swell | 0.44 | bedrock | | | |
| Whitetop----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to soft | 1.00 | Too steep | 1.00 |
| | | Depth to soft | 1.00 | bedrock | | Depth to bedrock | 1.00 |
| | | bedrock | | Too steep | 1.00 | Droughty | 0.81 |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | | |
| 41: Cedarhill----- | 90 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 | Slope | 0.84 |
| | | Frost action | 0.50 | Large stones | 0.29 | Large stones | 0.11 |
| | | Large stones | 0.29 | Cutbanks cave | 0.10 | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| 42: Cedarhill, dry----- | 80 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Large stones | 0.29 | Large stones | 0.11 |
| | | Large stones | 0.29 | Cutbanks cave | 0.10 | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| 43: Cedarhill----- | 50 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Slope | 0.84 | Slope | 0.84 | Slope | 0.84 |
| | | Frost action | 0.50 | Large stones | 0.29 | Large stones | 0.11 |
| | | Large stones | 0.29 | Cutbanks cave | 0.10 | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|----------------------------------|--|--------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 43: Bearhollow----- | 40 | Somewhat limited Slope Frost action | 0.84 0.50 | Very limited Cutbanks cave Slope | 1.00 0.84 | Somewhat limited Slope Gravel | 0.84 0.61 |
| 44: Cedarhill----- | 50 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.29 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Buist----- | 35 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.09 | Very limited Cutbanks cave Too steep Large stones | 1.00 1.00 0.09 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.05 0.02 0.01 |
| 45: Cedarhill----- | 60 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.29 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Burchert----- | 35 | Very limited Too steep Low strength Frost action Shrink-swell | 1.00 1.00 0.50 0.44 | Very limited Cutbanks cave Too steep Depth to soft bedrock | 1.00 1.00 0.46 | Very limited Too steep Depth to bedrock Gravel | 1.00 0.46 0.01 |
| 46: Cedarhill----- | 60 | Somewhat limited Slope Frost action Large stones | 0.84 0.50 0.29 | Somewhat limited Slope Large stones Cutbanks cave | 0.84 0.29 0.10 | Somewhat limited Slope Large stones Droughty Gravel | 0.84 0.11 0.03 0.02 |
| Clegg----- | 40 | Very limited Low strength Slope Shrink-swell Frost action | 1.00 0.84 0.50 0.50 | Very limited Cutbanks cave Slope | 1.00 0.84 | Somewhat limited Slope | 0.84 |
| 47: Cedarhill----- | 45 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.29 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Clegg----- | 30 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| Drage----- | 20 | Very limited Too steep Shrink-swell Frost action | 1.00 0.68 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|--|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 48: Cedarhill, dry----- | 50 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.29 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Pinehollow, dry----- | 35 | Very limited Too steep Depth to hard bedrock Frost action Shrink-swell Large stones | 1.00 0.79 0.50 0.44 0.05 | Very limited Depth to hard bedrock Cutbanks cave Too steep Large stones | 1.00 1.00 1.00 1.00 0.05 | Very limited Large stones Too steep Depth to bedrock | 1.00 1.00 0.80 |
| 49: Cedarhill----- | 50 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.29 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| Wursten----- | 40 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 50: Chesbrook----- | 65 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell Flooding | 1.00 1.00 1.00 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Very limited Depth to saturated zone Carbonate content | 1.00 1.00 |
| Bear Lake----- | 20 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.96 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.96 |
| 51: Chinhill----- | 80 | Somewhat limited Frost action | 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 52: Chokecherry----- | 65 | Very limited Depth to hard bedrock Too steep Large stones Frost action | 1.00 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.95 0.10 | Very limited Too steep Droughty Depth to bedrock Large stones Gravel | 1.00 1.00 1.00 0.97 0.23 |
| Dranyon----- | 20 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 53: | | | | | | | |
| Chokecherry----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Droughty | 1.00 |
| | | bedrock | | bedrock | | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Large stones | 0.95 | Large stones | 0.95 | Large stones | 0.97 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel | 0.23 |
| Slights----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Low strength | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 1.00 | Too clayey | 0.24 | | |
| | | Too steep | 1.00 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | | | | |
| Sheep Creek----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Gravel | 0.55 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Large stones | 0.05 |
| | | Depth to hard | 0.01 | Too steep | 1.00 | Depth to bedrock | 0.01 |
| | | bedrock | | | | Droughty | 0.01 |
| 54: | | | | | | | |
| Chokecherry----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Droughty | 1.00 |
| | | bedrock | | bedrock | | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Large stones | 0.95 | Large stones | 0.95 | Large stones | 0.97 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel | 0.23 |
| Tubbs Hollow----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Large stones | 0.97 | bedrock | | Droughty | 0.99 |
| | | Depth to hard | 0.84 | Too steep | 1.00 | Depth to bedrock | 0.84 |
| | | bedrock | | Large stones | 0.97 | Gravel | 0.20 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| Sheep Creek, dry----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Gravel | 0.55 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Large stones | 0.05 |
| | | Depth to hard | 0.01 | Too steep | 1.00 | Depth to bedrock | 0.01 |
| | | bedrock | | | | Droughty | 0.01 |
| 55: | | | | | | | |
| Church Springs, dry---- | 55 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Frost action | 1.00 | Slope | 0.84 | Slope | 0.84 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.84 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| Monida, dry----- | 35 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Slope | 0.84 | Cutbanks cave | 1.00 | Slope | 0.84 |
| | | Frost action | 0.50 | Slope | 0.84 | | |
| 56: | | | | | | | |
| Cleavage----- | 70 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to bedrock | 1.00 |
| | | bedrock | | bedrock | | Too steep | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Droughty | 0.96 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|---|--|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 56: Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Very limited Low strength Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| 58: Clegg----- | 90 | Very limited Low strength Slope Shrink-swell Frost action | 1.00 0.63 0.50 0.50 | Very limited Cutbanks cave Slope | 1.00 0.63 | Somewhat limited Slope | 0.63 |
| 59: Clegg----- | 50 | Very limited Low strength Slope Shrink-swell Frost action | 1.00 0.96 0.50 0.50 | Very limited Cutbanks cave Slope | 1.00 0.96 | Somewhat limited Slope | 0.96 |
| Greca----- | 35 | Very limited Low strength Slope Shrink-swell Frost action | 1.00 0.96 0.50 0.50 | Somewhat limited Slope Cutbanks cave | 0.96 0.10 | Somewhat limited Slope | 0.96 |
| 60: Cooley, dry----- | 40 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep Gravel Droughty Large stones | 1.00 0.77 0.74 0.46 |
| Beehunt, dry----- | 30 | Very limited Too steep Large stones Shrink-swell Frost action | 1.00 0.97 0.50 0.50 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.97 0.10 | Very limited Too steep Large stones Gravel Droughty | 1.00 1.00 0.95 0.80 |
| 61: Crossley----- | 70 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Large stones Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 1.00 0.91 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 62: Crossley----- | 50 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Large stones Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 1.00 0.91 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--|---|--|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 62: Whitetop----- | 30 | Very limited Depth to soft bedrock Frost action Too steep | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.81 |
| Rock outcrop----- | 10 | Not rated | | Not rated | | Not rated | |
| 63: Cupine----- | 45 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Droughty Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| Dunford----- | 25 | Very limited Too steep Depth to hard bedrock Shrink-swell Frost action Low strength | 1.00 0.71 0.50 0.50 0.22 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Large stones Depth to bedrock | 1.00 0.74 0.71 |
| 64: Cupine, dry----- | 40 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| Falula, dry----- | 30 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Large stones Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 1.00 0.38 |
| 65: Dennot, dry----- | 50 | Somewhat limited Frost action Slope | 0.50 0.37 | Very limited Cutbanks cave Slope | 1.00 0.37 | Somewhat limited Slope Droughty | 0.37 0.01 |
| Thatcher, dry----- | 40 | Very limited Frost action Low strength Slope | 1.00 1.00 0.37 | Somewhat limited Slope Cutbanks cave | 0.37 0.10 | Somewhat limited Slope | 0.37 |
| 66: Dingle----- | 80 | Very limited Depth to saturated zone Subsidence Frost action Ponding Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Organic matter content Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Depth to saturated zone Ponding | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|------------------------------|--|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Frost action Ponding Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to saturated zone Sodium content Ponding | 1.00 1.00 1.00 |
| 68: Dipcreek----- | 35 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| Cutoff----- | 30 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.95 0.01 |
| Sheep Creek----- | 20 | Very limited Too steep Shrink-swell Frost action Depth to hard bedrock | 1.00 0.50 0.50 0.01 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| 69: Dipcreek----- | 60 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| Rock outcrop----- | 40 | Not rated | | Not rated | | Not rated | |
| 70: Dirtyhead----- | 50 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Depth to soft bedrock Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Depth to bedrock Gravel | 1.00 0.38 0.37 0.29 0.15 |
| Cedarhill----- | 30 | Very limited Too steep Frost action Large stones | 1.00 0.50 0.29 | Very limited Too steep Large stones Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Gravel | 1.00 0.11 0.03 0.02 |
| 71: Dirtyhead----- | 35 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Depth to soft bedrock Cutbanks cave | 1.00 0.29 0.10 | Very limited Too steep Large stones Droughty Depth to bedrock Gravel | 1.00 0.38 0.37 0.29 0.15 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 71: | | | | | | | |
| Mumford----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to bedrock | 1.00 |
| | | bedrock | | bedrock | | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Gravel | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Too steep | 1.00 |
| | | | | | | Carbonate content | 1.00 |
| Dranburn----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Low strength | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Too steep | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| 72: | | | | | | | |
| Dollarhide----- | 90 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Droughty | 1.00 |
| | | bedrock | | bedrock | | Depth to bedrock | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel | 0.78 |
| | | | | | | Large stones | 0.54 |
| 73: | | | | | | | |
| Dollarhide----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | bedrock | | bedrock | | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Depth to bedrock | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel | 0.78 |
| | | | | | | Large stones | 0.54 |
| Grunder----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | bedrock | | Depth to bedrock | 0.80 |
| | | Depth to hard | 0.79 | Too steep | 1.00 | | |
| | | bedrock | | Cutbanks cave | 1.00 | | |
| | | Shrink-swell | 0.68 | | | | |
| | | Frost action | 0.50 | | | | |
| 74: | | | | | | | |
| Drage----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.68 | Too steep | 1.00 | | |
| | | Frost action | 0.50 | | | | |
| Causey----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | | |
| Lilcan----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to bedrock | 1.00 |
| | | bedrock | | bedrock | | Droughty | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Large stones | 0.30 | Gravel | 0.99 |
| | | Large stones | 0.30 | Cutbanks cave | 0.10 | | |
| 75: | | | | | | | |
| Dranburn----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Low strength | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Too steep | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--------------------------------------|--|------------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 75: Hoopgobel----- | 25 | Very limited Too steep Frost action Shrink-swell Low strength | 1.00 0.50 0.44 0.22 | Very limited Cutbanks cave Too steep Depth to soft bedrock | 1.00 1.00 0.64 | Very limited Too steep Depth to bedrock | 1.00 0.65 |
| Ledgehollow----- | 25 | Very limited Depth to soft bedrock Frost action Too steep Shrink-swell | 1.00 1.00 1.00 0.68 | Very limited Depth to soft bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to bedrock Too steep Droughty Gravel | 1.00 1.00 0.83 0.01 |
| 76: Dranburn----- | 60 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Pavohroo----- | 40 | Very limited Too steep Shrink-swell Frost action | 1.00 0.68 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 77: Dranburn----- | 60 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Pontuge----- | 30 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 78: Dranburn----- | 60 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Poulridge----- | 40 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.68 0.50 | Very limited Cutbanks cave Too steep Depth to soft bedrock | 1.00 1.00 0.03 | Very limited Too steep Depth to bedrock | 1.00 0.03 |
| 79: Dranyon----- | 75 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 80: Dry Canyon, dry----- | 85 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|----------------------------------|--|--------------------------|--|--|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 81: Dry Canyon, dry----- | 55 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| Cutoff----- | 30 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.95 0.01 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Somewhat limited Frost action Slope | 0.50 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Very limited Carbonate content Gravel Slope | 1.00 0.03 0.01 |
| 84: Dutchcanyon----- | 45 | Somewhat limited Frost action Slope | 0.50 0.16 | Somewhat limited Slope Cutbanks cave | 0.16 0.10 | Very limited Carbonate content Slope Gravel | 1.00 0.16 0.03 |
| Frenchollow----- | 35 | Very limited Low strength Shrink-swell Frost action Slope | 1.00 1.00 0.50 0.16 | Very limited Cutbanks cave Slope Too clayey | 1.00 0.16 0.12 | Somewhat limited Slope | 0.16 |
| 85: Every----- | 50 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| Preuss----- | 25 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep Depth to soft bedrock | 1.00 1.00 0.97 | Very limited Too steep Carbonate content Depth to bedrock Gravel Droughty | 1.00 1.00 0.97 0.97 0.88 |
| 86: Every----- | 55 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep | 1.00 |
| Preuss----- | 30 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave Depth to soft bedrock | 1.00 1.00 0.97 | Very limited Too steep Carbonate content Depth to bedrock Gravel Droughty | 1.00 1.00 0.97 0.97 0.88 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|--|--|---|------------------------------|--|--|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 87: Fishhaven----- | 70 | Somewhat limited Slope Depth to hard bedrock Frost action | 0.96 0.71 0.50 | Very limited Depth to hard bedrock Cutbanks cave Slope | 1.00 1.00 0.96 | Very limited Carbonate content Slope Depth to bedrock Gravel Droughty | 1.00 0.96 0.71 0.46 0.07 |
| Dutchcanyon----- | 20 | Somewhat limited Slope Frost action | 0.96 0.50 | Somewhat limited Slope Cutbanks cave | 0.96 0.10 | Very limited Carbonate content Slope Gravel | 1.00 0.96 0.03 |
| 88: Frenchollow----- | 85 | Very limited Low strength Shrink-swell Frost action | 1.00 1.00 0.50 | Very limited Cutbanks cave Too clayey | 1.00 0.12 | Not limited | |
| 89: Frenchollow----- | 85 | Very limited Low strength Shrink-swell Slope Frost action | 1.00 1.00 0.63 0.50 | Very limited Cutbanks cave Slope Too clayey | 1.00 0.63 0.12 | Somewhat limited Slope | 0.63 |
| 90: Fury----- | 90 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Flooding Cutbanks cave | 1.00 0.60 0.10 | Very limited Depth to saturated zone Flooding | 1.00 0.60 |
| 91: Georgecanyon----- | 90 | Somewhat limited Frost action | 0.50 | Very limited Cutbanks cave | 1.00 | Somewhat limited Gravel | 0.01 |
| 92: Hades----- | 85 | Somewhat limited Shrink-swell Frost action | 0.50 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 93: Hades----- | 85 | Somewhat limited Shrink-swell Frost action Slope | 0.50 0.50 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 94: Hades----- | 90 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 95: Hades----- | 60 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|----------------------------------|--|--------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 95: Horrocks----- | 25 | Very limited Too steep Shrink-swell Frost action | 1.00 0.68 0.50 | Very limited Cutbanks cave Too steep Depth to hard bedrock | 1.00 1.00 0.93 | Very limited Too steep Gravel | 1.00 0.79 |
| 96: Hagenbarth----- | 60 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Clegg----- | 40 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 97: Hagenbarth----- | 55 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Dranburn----- | 25 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 98: Hagenbarth----- | 55 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Horrocks----- | 30 | Very limited Too steep Shrink-swell Frost action | 1.00 0.68 0.50 | Very limited Too steep Cutbanks cave Depth to hard bedrock | 1.00 1.00 0.93 | Very limited Too steep Gravel | 1.00 0.79 |
| 99: Hagenbarth----- | 40 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Zeebar----- | 35 | Very limited Too steep Shrink-swell Frost action | 1.00 0.68 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Large stones Gravel Droughty | 1.00 0.11 0.02 0.01 |
| Dranburn----- | 20 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 100: | | | | | | | |
| Hoopgobel----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Depth to bedrock | 0.65 |
| | | Shrink-swell | 0.44 | Depth to soft | 0.64 | | |
| | | Low strength | 0.22 | bedrock | | | |
| Cadero----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Frost action | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Too steep | 1.00 | Depth to soft | 0.84 | Depth to bedrock | 0.84 |
| | | | | bedrock | | | |
| | | | | Cutbanks cave | 0.10 | | |
| 101: | | | | | | | |
| Hoopgobel----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Depth to bedrock | 0.65 |
| | | Shrink-swell | 0.44 | Depth to soft | 0.64 | | |
| | | Low strength | 0.22 | bedrock | | | |
| Slights----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Too clayey | 0.24 | | |
| | | Shrink-swell | 1.00 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | | | | |
| 102: | | | | | | | |
| Horrocks----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.68 | Too steep | 1.00 | Gravel | 0.79 |
| | | Frost action | 0.50 | Depth to hard | 0.93 | | |
| | | | | bedrock | | | |
| Cedarhill----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Large stones | 0.29 | Large stones | 0.11 |
| | | Large stones | 0.29 | Cutbanks cave | 0.10 | Droughty | 0.03 |
| | | | | | | Gravel | 0.02 |
| 103: | | | | | | | |
| Horrocks----- | 60 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.68 | Cutbanks cave | 1.00 | Gravel | 0.79 |
| | | Frost action | 0.50 | Depth to hard | 0.93 | Slope | 0.04 |
| | | Slope | 0.04 | bedrock | | | |
| | | | | Slope | 0.04 | | |
| Cleavage----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to bedrock | 1.00 |
| | | bedrock | | bedrock | | Droughty | 0.96 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | Slope | 0.04 |
| | | Shrink-swell | 0.50 | Slope | 0.04 | | |
| | | Frost action | 0.50 | | | | |
| | | Slope | 0.04 | | | | |
| 104: | | | | | | | |
| Horrocks----- | 60 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.68 | Too steep | 1.00 | Gravel | 0.79 |
| | | Frost action | 0.50 | Depth to hard | 0.93 | | |
| | | | | bedrock | | | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--|--|--------------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 104: Cleavage----- | 25 | Very limited Depth to hard bedrock Too steep Low strength Shrink-swell Frost action | 1.00 1.00 1.00 0.50 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.96 |
| 105: Hutchley----- | 30 | Very limited Depth to hard bedrock Too steep Shrink-swell Frost action Large stones | 1.00 1.00 0.50 0.50 0.16 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.16 0.10 | Very limited Droughty Depth to bedrock Too steep Large stones Gravel | 1.00 1.00 1.00 0.95 0.05 |
| Cupine----- | 25 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| Vitale----- | 20 | Very limited Large stones Too steep Shrink-swell Frost action Depth to hard bedrock | 1.00 1.00 0.50 0.50 0.46 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Too steep Gravel Depth to bedrock Large stones Droughty | 1.00 0.92 0.46 0.08 0.01 |
| 106: Iphil----- | 80 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 107: Iphil----- | 80 | Very limited Frost action Slope | 1.00 0.04 | Somewhat limited Cutbanks cave Slope | 0.10 0.04 | Somewhat limited Slope | 0.04 |
| 108: Iphil----- | 80 | Very limited Frost action Slope | 1.00 0.96 | Somewhat limited Slope Cutbanks cave | 0.96 0.10 | Somewhat limited Slope | 0.96 |
| 109: Iphil----- | 30 | Very limited Frost action Too steep | 1.00 1.00 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Lanoak----- | 30 | Very limited Frost action Too steep Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Watercanyon----- | 20 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.22 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 110: | | | | | | | |
| Iphil----- | 50 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Frost action | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | Slope | 0.37 | Cutbanks cave | 0.10 | | |
| Watercanyon----- | 30 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Frost action | 1.00 | Slope | 0.37 | Slope | 0.37 |
| | | Slope | 0.37 | Cutbanks cave | 0.10 | | |
| | | Low strength | 0.22 | | | | |
| 111: | | | | | | | |
| Iphil, dry----- | 50 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | Slope | 0.01 |
| | | Slope | 0.01 | Slope | 0.01 | | |
| Watercanyon, dry----- | 30 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | Slope | 0.01 |
| | | Low strength | 0.22 | Slope | 0.01 | | |
| | | Slope | 0.01 | | | | |
| 112: | | | | | | | |
| Ireland----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Depth to hard | 0.90 | bedrock | | Droughty | 1.00 |
| | | bedrock | | Too steep | 1.00 | Depth to bedrock | 0.90 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel | 0.16 |
| Falula----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | bedrock | | bedrock | | Large stones | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Droughty | 1.00 |
| | | Large stones | 1.00 | Large stones | 1.00 | Depth to bedrock | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Gravel | 0.38 |
| Vicking----- | 15 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | | | | |
| 113: | | | | | | | |
| Jacanyon----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Depth to bedrock | 0.10 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | | |
| | | Depth to hard | 0.10 | Too steep | 1.00 | | |
| | | bedrock | | | | | |
| Cleavage----- | 25 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Depth to bedrock | 1.00 |
| | | bedrock | | bedrock | | Too steep | 1.00 |
| | | Too steep | 1.00 | Too steep | 1.00 | Droughty | 0.96 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| 114: | | | | | | | |
| Jebo, dry----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Depth to hard | 0.64 | bedrock | | Droughty | 0.99 |
| | | bedrock | | Cutbanks cave | 1.00 | Depth to bedrock | 0.65 |
| | | Frost action | 0.50 | Too steep | 1.00 | Gravel | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 114: Cokeville, dry----- | 30 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| Dennot, dry----- | 20 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Droughty | 1.00 0.01 |
| 115: Jebo----- | 55 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.64 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Cupine----- | 25 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| 116: Jebo, dry----- | 55 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.64 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Cupine, dry----- | 25 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Droughty Too steep Depth to bedrock Large stones | 1.00 1.00 0.95 0.03 |
| 117: Jebo----- | 55 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.64 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Dipcreek----- | 35 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| 118: Jebo, dry----- | 55 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.64 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.65 0.01 |
| Dipcreek, dry----- | 35 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|--|----------------------------------|--|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 119: Joes----- | 75 | Very limited Frost action Low strength | 1.00 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 120: Joes----- | 75 | Very limited Frost action Low strength Slope | 1.00 1.00 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 121: Kucera----- | 90 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.78 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 122: Kucera----- | 45 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.78 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Chausse----- | 25 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep Gravel Large stones Droughty | 1.00 0.98 0.95 0.08 |
| Rexburg----- | 15 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.22 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 123: La Roco----- | 85 | Very limited Frost action Low strength Shrink-swell Flooding | 1.00 1.00 0.44 0.40 | Very limited Cutbanks cave Depth to saturated zone | 1.00 0.99 | Very limited Carbonate content | 1.00 |
| 124: La Roco, saline----- | 85 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.44 | Very limited Cutbanks cave Depth to saturated zone | 1.00 0.99 | Very limited Carbonate content Salinity | 1.00 0.50 |
| 125: Lag----- | 40 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Droughty | 1.00 0.27 |
| Dollarhide----- | 35 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Droughty Depth to bedrock Too steep Gravel Large stones | 1.00 1.00 0.78 0.54 |
| Rock outcrop----- | 15 | Not rated | | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|--|--------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 126: Lag----- | 60 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Droughty | 1.00 0.27 |
| Dranyon----- | 25 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 127: Lago----- | 85 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.56 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.56 |
| 128: Lago----- | 65 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.56 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.56 |
| Bear Lake----- | 25 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.96 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.96 |
| 129: Lago----- | 60 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.56 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.56 |
| Merkley----- | 30 | Very limited Frost action Low strength | 1.00 1.00 | Very limited Cutbanks cave Depth to saturated zone Dense layer | 1.00 0.53 0.50 | Very limited Carbonate content | 1.00 |
| 130: Lanoak----- | 80 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 131: Lanoak----- | 85 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|--|--|--|---|----------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 132: Lanoak----- | 85 | Very limited Frost action Low strength Shrink-swell Slope | 1.00 1.00 0.50 0.16 | Somewhat limited Slope Cutbanks cave | 0.16 0.10 | Somewhat limited Slope | 0.16 |
| 133: Lanoak----- | 90 | Very limited Frost action Too steep Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 134: Lanoak----- | 60 | Very limited Frost action Too steep Low strength Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Arbone----- | 30 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 135: Lanoak----- | 55 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Rexburg----- | 35 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 136: Leftfork----- | 60 | Very limited Frost action Shrink-swell Too steep | 1.00 1.00 1.00 | Very limited Too steep Depth to hard bedrock Too clayey Cutbanks cave | 1.00 0.84 0.41 0.10 | Very limited Too steep | 1.00 |
| Cleavage----- | 25 | Very limited Depth to hard bedrock Too steep Low strength Shrink-swell Frost action | 1.00 1.00 1.00 1.00 0.50 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Depth to bedrock Too steep Droughty | 1.00 1.00 0.96 |
| 137: Lilcan----- | 60 | Very limited Depth to hard bedrock Too steep Frost action Large stones | 1.00 1.00 1.00 0.50 0.30 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 1.00 0.30 0.10 | Very limited Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 0.99 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 137: Jacanyon----- | 15 | Very limited Too steep Shrink-swell Frost action Depth to hard bedrock | 1.00 0.50 0.50 0.10 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 0.10 |
| 138: Lilcan----- | 35 | Very limited Depth to hard bedrock Too steep Frost action Large stones | 1.00 1.00 0.50 0.30 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.30 0.10 | Very limited Depth to bedrock Droughty Too steep Gravel | 1.00 1.00 1.00 0.99 |
| Watkins Ridge, dry---- | 35 | Very limited Too steep Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep Gravel | 1.00 0.38 |
| Jacanyon----- | 20 | Very limited Too steep Shrink-swell Frost action Depth to hard bedrock | 1.00 0.50 0.50 0.10 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock | 1.00 0.10 |
| 139: Lonjon----- | 45 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Kucera----- | 20 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.78 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Sprollo----- | 15 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 140: Lonjon----- | 45 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Kucera, dry----- | 20 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.78 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 140: Sprollow, dry----- | 15 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 141: Lonjon----- | 30 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Monida----- | 25 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| Chokecherry----- | 20 | Very limited Depth to hard bedrock Too steep Large stones Frost action | 1.00 1.00 0.95 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.95 0.10 | Very limited Droughty Depth to bedrock Too steep Large stones Gravel | 1.00 1.00 1.00 0.97 0.23 |
| 142: Lonjon----- | 45 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Mumford----- | 25 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| 143: Lonjon----- | 40 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Gravel Too steep Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Sheep Creek----- | 30 | Very limited Too steep Shrink-swell Frost action Depth to hard bedrock | 1.00 0.50 0.50 0.01 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|--|----------------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 143: Dipcreek----- | 25 | Very limited Depth to hard bedrock Large stones Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Large stones Too steep Cutbanks cave | 1.00 1.00 1.00 0.10 | Very limited Droughty Depth to bedrock Too steep Gravel | 1.00 1.00 1.00 0.01 |
| 144: Lonjon----- | 45 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Sprollow----- | 20 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Mumford----- | 15 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| 145: Marshdale----- | 45 | Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell | 1.00 1.00 1.00 1.00 0.68 | Very limited Depth to saturated zone Cutbanks cave Flooding | 1.00 1.00 0.60 | Very limited Depth to saturated zone Flooding | 1.00 0.60 |
| Bloomcreek----- | 30 | Somewhat limited Depth to saturated zone Frost action Flooding | 0.56 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 1.00 | Somewhat limited Depth to saturated zone | 0.56 |
| 146: Merkley----- | 85 | Very limited Frost action Low strength | 1.00 1.00 | Very limited Cutbanks cave Depth to saturated zone Dense layer | 1.00 0.53 0.50 | Very limited Carbonate content | 1.00 |
| 147: Millerditch----- | 60 | Somewhat limited Frost action Flooding Depth to saturated zone | 0.50 0.40 0.01 | Very limited Depth to saturated zone Cutbanks cave | 1.00 1.00 | Somewhat limited Depth to saturated zone | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--------------------------|--|--------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 147: Cookcan----- | 25 | Very limited Frost action Depth to saturated zone Flooding | 1.00 0.98 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 1.00 | Somewhat limited Depth to saturated zone | 0.98 |
| 148: Mumford----- | 90 | Very limited Depth to hard bedrock Frost action Slope | 1.00 0.50 0.16 | Very limited Depth to hard bedrock Slope Cutbanks cave | 1.00 0.16 0.10 | Very limited Depth to bedrock Droughty Gravel Carbonate content Slope | 1.00 1.00 1.00 1.00 0.16 |
| 149: Mumford----- | 60 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Sprollo----- | 25 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 150: Mumford----- | 60 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Sprollo, dry----- | 25 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| 151: Mumford----- | 65 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| Sprollo, dry----- | 25 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|--|----------------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 152: Nielsen----- | 45 | Very limited Depth to hard bedrock Too steep Large stones Shrink-swell Frost action | 1.00 1.00 0.98 0.68 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.98 0.10 | Very limited Depth to bedrock Too steep Droughty Large stones Gravel | 1.00 1.00 0.96 0.08 0.01 |
| Dranburn----- | 20 | Very limited Too steep Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Hagenbarth----- | 15 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 153: North Beach----- | 100 | Somewhat limited Depth to saturated zone Large stones | 0.56 0.56 | Very limited Depth to saturated zone Cutbanks cave Large stones | 1.00 1.00 0.56 | Very limited Large stones Droughty Depth to saturated zone Too sandy Gravel | 1.00 0.85 0.56 0.50 0.45 |
| 154: Nuffer----- | 45 | Very limited Frost action Flooding Depth to saturated zone | 1.00 0.40 0.19 | Very limited Depth to saturated zone Cutbanks cave Dense layer | 1.00 1.00 0.50 | Somewhat limited Droughty Depth to saturated zone Gravel | 0.82 0.19 0.16 |
| Blackotter----- | 35 | Very limited Frost action Depth to saturated zone Flooding | 1.00 0.98 0.40 | Very limited Depth to saturated zone Cutbanks cave Dense layer | 1.00 1.00 0.50 | Somewhat limited Depth to saturated zone | 0.98 |
| 155: Nythar----- | 75 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell Flooding | 1.00 1.00 1.00 0.68 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 1.00 | Very limited Depth to saturated zone | 1.00 |
| Sagollow----- | 15 | Somewhat limited Shrink-swell Frost action Large stones Depth to saturated zone | 0.50 0.50 0.18 0.08 | Very limited Depth to saturated zone Large stones Cutbanks cave | 1.00 0.18 0.10 | Somewhat limited Depth to saturated zone | 0.08 |
| 156: Ovidcreek----- | 75 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.99 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.93 0.10 | Very limited Sodium content Carbonate content | 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|--|--|--------------------------------------|--|--|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 157: Parding----- | 40 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Carbonate content | 1.00 1.00 |
| Firading----- | 30 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.01 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Droughty Large stones Depth to bedrock Gravel | 1.00 0.10 0.05 0.01 0.01 |
| Hagenbarth----- | 15 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 158: Parding, dry----- | 40 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep Carbonate content | 1.00 1.00 |
| Firading, dry----- | 30 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.01 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Droughty Large stones Depth to bedrock Gravel | 1.00 0.10 0.05 0.01 0.01 |
| Hagenbarth, dry----- | 15 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 159: Pegram----- | 80 | Somewhat limited Shrink-swell Frost action | 0.50 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| 160: Pinegap----- | 50 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave Depth to hard bedrock | 1.00 1.00 0.08 | Very limited Too steep Gravel | 1.00 1.00 |
| Lonjon----- | 35 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| 161: Pinehollow----- | 45 | Very limited Too steep Depth to hard bedrock Frost action Shrink-swell Large stones | 1.00 0.79 0.50 0.44 0.05 | Very limited Depth to hard bedrock Cutbanks cave Too steep Large stones | 1.00 1.00 1.00 0.05 | Very limited Large stones Too steep Depth to bedrock | 1.00 1.00 0.80 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 161: | | | | | | | |
| Ant Flat----- | 25 | Very limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Cutbanks cave | 1.00 | Slope | 0.16 |
| | | Low strength | 1.00 | Too clayey | 0.28 | | |
| | | Frost action | 0.50 | Slope | 0.16 | | |
| | | Slope | 0.16 | | | | |
| Sheep Creek----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Depth to hard | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | bedrock | | Gravel | 0.55 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Large stones | 0.05 |
| | | Depth to hard | 0.01 | Too steep | 1.00 | Depth to bedrock | 0.01 |
| | | bedrock | | | | Droughty | 0.01 |
| 162: | | | | | | | |
| Pits, gravel----- | 100 | Not rated | | Not rated | | Not rated | |
| 163: | | | | | | | |
| Pontuge----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | | |
| Cokeville----- | 40 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | Too steep | 1.00 | Gravel | 0.22 |
| | | Frost action | 0.50 | | | Large stones | 0.08 |
| 164: | | | | | | | |
| Preussrange----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Depth to soft | 0.84 | Depth to bedrock | 0.84 |
| | | Large stones | 0.01 | bedrock | | Droughty | 0.49 |
| | | | | Cutbanks cave | 0.10 | Large stones | 0.16 |
| | | | | Large stones | 0.01 | | |
| Halfcircle----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | | |
| | | Low strength | 0.22 | | | | |
| 165: | | | | | | | |
| Prucree----- | 50 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Slope | 0.63 | Depth to hard | 1.00 | Depth to bedrock | 0.65 |
| | | Depth to hard | 0.54 | bedrock | | Slope | 0.63 |
| | | bedrock | | Depth to soft | 0.64 | Droughty | 0.41 |
| | | Frost action | 0.50 | bedrock | | | |
| | | | | Slope | 0.63 | | |
| | | | | Cutbanks cave | 0.10 | | |
| Dipcreek----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Depth to hard | 1.00 | Depth to hard | 1.00 | Droughty | 1.00 |
| | | bedrock | | bedrock | | Depth to bedrock | 1.00 |
| | | Large stones | 1.00 | Large stones | 1.00 | Slope | 0.63 |
| | | Slope | 0.63 | Slope | 0.63 | Gravel | 0.01 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| 166: | | | | | | | |
| Raynal----- | 90 | Very limited | | Somewhat limited | | Not limited | |
| | | Frost action | 1.00 | Depth to | 0.99 | | |
| | | Low strength | 1.00 | saturated zone | | | |
| | | Shrink-swell | 0.50 | Cutbanks cave | 0.10 | | |
| | | Flooding | 0.40 | | | | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|--|--|--|------------------------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 167: Raynal----- | 60 | Very limited Frost action Low strength Shrink-swell Flooding | 1.00 1.00 0.50 0.40 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.99 0.10 | Not limited | |
| Lago----- | 30 | Very limited Frost action Low strength Depth to saturated zone Shrink-swell Flooding | 1.00 1.00 0.56 0.50 0.40 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Somewhat limited Depth to saturated zone | 0.56 |
| 168: Ream----- | 55 | Somewhat limited Frost action | 0.50 | Very limited Cutbanks cave Dense layer Depth to saturated zone | 1.00 0.50 0.35 | Not limited | |
| Merkley----- | 30 | Very limited Frost action Low strength | 1.00 1.00 | Very limited Cutbanks cave Depth to saturated zone Dense layer | 1.00 0.53 0.50 | Very limited Carbonate content | 1.00 |
| 169: Redpine----- | 45 | Very limited Too steep Low strength Shrink-swell Frost action | 1.00 0.78 0.50 0.50 | Very limited Too steep Depth to soft bedrock Cutbanks cave | 1.00 0.79 0.10 | Very limited Too steep Depth to bedrock | 1.00 0.80 |
| Draney----- | 25 | Very limited Depth to soft bedrock Frost action Too steep Shrink-swell | 1.00 1.00 1.00 0.50 | Very limited Depth to soft bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to bedrock Too steep Droughty Gravel | 1.00 1.00 0.51 0.03 |
| Brushtop----- | 15 | Very limited Too steep Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep | 1.00 |
| 170: Rexburg----- | 80 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 171: Rexburg----- | 55 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Iphil----- | 25 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|----------------------|--|--------------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 172: Rexburg----- | 50 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Iphil----- | 25 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 173: Rexburg----- | 65 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Kucera----- | 25 | Very limited Frost action Low strength | 1.00 0.78 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 174: Rexburg----- | 55 | Very limited Frost action Low strength Slope | 1.00 0.22 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| Kucera----- | 35 | Very limited Frost action Low strength Slope | 1.00 0.78 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 175: Rexburg----- | 60 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.22 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Kucera----- | 35 | Very limited Frost action Too steep Low strength | 1.00 1.00 0.78 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 176: Rexburg----- | 55 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Ririe----- | 35 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Very limited Too dense | 1.00 |
| 177: Rexburg----- | 50 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Ririe----- | 25 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Very limited Too dense | 1.00 |
| 178: Rexburg----- | 50 | Very limited Frost action Low strength Slope | 1.00 0.22 0.16 | Somewhat limited Slope Cutbanks cave | 0.16 0.10 | Somewhat limited Slope | 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|--------------------------------------|--|------------------------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 178: Ririe----- | 30 | Very limited Frost action Slope | 1.00 0.16 | Somewhat limited Slope Cutbanks cave | 0.16 0.10 | Very limited Too dense Slope | 1.00 0.16 |
| 179: Rexburg----- | 55 | Very limited Frost action Low strength Slope | 1.00 0.22 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| Watercanyon----- | 30 | Very limited Frost action Low strength Slope | 1.00 0.22 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 180: Rexburg----- | 50 | Very limited Frost action Low strength | 1.00 0.22 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Wursten----- | 40 | Somewhat limited Frost action | 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| 181: Richollow----- | 70 | Very limited Depth to hard bedrock Too steep Frost action Large stones | 1.00 1.00 0.50 0.11 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.11 0.10 | Very limited Droughty Depth to bedrock Gravel Too steep Large stones | 1.00 1.00 1.00 1.00 0.08 |
| Dranburn----- | 20 | Very limited Low strength Too steep Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 182: Richollow----- | 55 | Very limited Depth to hard bedrock Too steep Frost action Large stones | 1.00 1.00 0.50 0.11 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.11 0.10 | Very limited Droughty Depth to bedrock Gravel Too steep Large stones | 1.00 1.00 1.00 1.00 0.08 |
| Ledgehollow----- | 30 | Very limited Depth to soft bedrock Frost action Too steep Shrink-swell | 1.00 1.00 1.00 1.00 0.68 | Very limited Depth to soft bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Depth to bedrock Too steep Droughty Gravel | 1.00 1.00 0.83 0.01 |
| 183: Ririe----- | 40 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Very limited Too dense | 1.00 |
| Iphil----- | 35 | Very limited Frost action | 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|----------------------------------|--|--------------------------|---|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 184: | | | | | | | |
| Sadducee----- | 55 | Very limited Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 0.44 | Very limited Depth to saturated zone Cutbanks cave | 1.00 0.10 | Very limited Depth to saturated zone | 1.00 |
| Bearbeach----- | 45 | Very limited Depth to saturated zone Frost action | 1.00 0.50 | Very limited Depth to saturated zone Cutbanks cave | 1.00 1.00 | Very limited Depth to saturated zone Droughty | 1.00 0.81 |
| 185: | | | | | | | |
| Sheep Creek, dry----- | 40 | Very limited Too steep Shrink-swell Frost action Depth to hard bedrock | 1.00 0.50 0.50 0.01 | Very limited Depth to hard bedrock Cutbanks cave Too steep | 1.00 1.00 1.00 | Very limited Too steep Gravel Large stones Depth to bedrock Droughty | 1.00 0.55 0.05 0.01 0.01 |
| Taylow, dry----- | 25 | Very limited Depth to hard bedrock Too steep Frost action Shrink-swell | 1.00 1.00 1.00 0.22 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty | 1.00 1.00 1.00 |
| Dry Canyon, dry----- | 20 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 186: | | | | | | | |
| Slight's----- | 65 | Very limited Low strength Shrink-swell Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Too steep Too clayey Cutbanks cave | 1.00 0.24 0.10 | Very limited Too steep | 1.00 |
| Dranburn----- | 20 | Very limited Too steep Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 187: | | | | | | | |
| Springhollow----- | 45 | Somewhat limited Frost action | 0.50 | Very limited Cutbanks cave | 1.00 | Very limited Carbonate content Depth to bedrock Depth to cemented pan Gravel | 1.00 0.06 0.06 0.01 |
| Arbone----- | 40 | Somewhat limited Frost action Slope | 0.50 0.01 | Very limited Cutbanks cave Slope | 1.00 0.01 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|----------------------|--|------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 188: Springhollow, dry----- | 45 | Somewhat limited Frost action Slope | 0.50 0.01 | Very limited Cutbanks cave Slope | 1.00 0.01 | Very limited Carbonate content Depth to bedrock Depth to cemented pan Gravel Slope | 1.00 0.06 0.06 0.01 0.01 |
| Arbone, dry----- | 40 | Somewhat limited Frost action Slope | 0.50 0.01 | Very limited Cutbanks cave Slope | 1.00 0.01 | Somewhat limited Slope | 0.01 |
| 189: Sprollow----- | 55 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 25 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| 190: Sprollow, dry----- | 55 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 25 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| 191: Sprollow----- | 35 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 30 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--|--|--------------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 191: Mumford----- | 25 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| 192: Sprollo, dry----- | 35 | Very limited Too steep Frost action Depth to hard bedrock | 1.00 0.50 0.15 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Carbonate content Gravel Droughty Depth to bedrock | 1.00 1.00 0.99 0.53 0.16 |
| Lonjon----- | 30 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.79 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 1.00 | Very limited Too steep Gravel Carbonate content Droughty Depth to bedrock | 1.00 1.00 1.00 0.91 0.80 |
| Mumford----- | 25 | Very limited Depth to hard bedrock Too steep Frost action | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty Gravel Carbonate content | 1.00 1.00 1.00 1.00 1.00 |
| 193: Sprollo----- | 40 | Somewhat limited Slope Frost action Depth to hard bedrock | 0.96 0.50 0.15 | Very limited Depth to hard bedrock Cutbanks cave Slope | 1.00 1.00 0.96 | Very limited Carbonate content Gravel Slope Droughty Depth to bedrock | 1.00 0.99 0.96 0.53 0.16 |
| Wursten----- | 25 | Somewhat limited Slope Frost action | 0.96 0.50 | Very limited Cutbanks cave Slope | 1.00 0.96 | Somewhat limited Slope | 0.96 |
| Lonjon----- | 15 | Somewhat limited Slope Depth to hard bedrock Frost action | 0.96 0.79 0.50 | Very limited Depth to hard bedrock Cutbanks cave Slope | 1.00 1.00 0.96 | Very limited Gravel Carbonate content Slope Droughty Depth to bedrock | 1.00 1.00 0.96 0.91 0.80 |
| 194: Streek----- | 50 | Very limited Low strength Shrink-swell Frost action Slope | 1.00 1.00 0.50 0.16 | Somewhat limited Slope Too clayey Cutbanks cave | 0.16 0.12 0.10 | Somewhat limited Slope | 0.16 |
| Cleavage----- | 35 | Very limited Depth to hard bedrock Too steep Low strength Shrink-swell Frost action | 1.00 1.00 1.00 1.00 0.50 0.50 | Very limited Depth to hard bedrock Too steep Cutbanks cave | 1.00 1.00 0.10 | Very limited Too steep Depth to bedrock Droughty | 1.00 1.00 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 195: | | | | | | | |
| Streek, moist----- | 40 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.16 | Slope | 0.16 |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.16 | | | | |
| Streek----- | 25 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.16 | Slope | 0.16 |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.16 | | | | |
| Swanpeak----- | 25 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Slope | 0.16 | Large stones | 0.61 |
| | | Low strength | 1.00 | Too clayey | 0.12 | Slope | 0.16 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.16 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | | | | |
| 196: | | | | | | | |
| Streek----- | 45 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Slope | 0.16 | Slope | 0.16 |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | | |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.16 | | | | |
| Swanpeak----- | 35 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Slope | 0.16 | Large stones | 0.61 |
| | | Low strength | 1.00 | Too clayey | 0.12 | Slope | 0.16 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.16 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | | | | |
| 197: | | | | | | | |
| Streek----- | 35 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Too clayey | 0.12 | Slope | 0.01 |
| | | Shrink-swell | 1.00 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | Slope | 0.01 | | |
| | | Slope | 0.01 | | | | |
| Swanpeak----- | 35 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | Large stones | 0.61 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | Slope | 0.01 |
| | | Frost action | 0.50 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | Slope | 0.01 | | |
| | | Slope | 0.01 | | | | |
| Sagollow----- | 25 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to | 1.00 | Depth to | 0.08 |
| | | Frost action | 0.50 | saturated zone | | saturated zone | |
| | | Large stones | 0.18 | Large stones | 0.18 | | |
| | | Depth to | 0.08 | Cutbanks cave | 0.10 | | |
| | | saturated zone | | | | | |
| 198: | | | | | | | |
| Suryon----- | 90 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Slope | 0.01 |
| | | Slope | 0.01 | Slope | 0.01 | | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 199: | | | | | | | |
| Swan Flat----- | 65 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Large stones | 0.01 |
| | | Large stones | 0.01 | Large stones | 0.01 | | |
| Dranburn----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| 200: | | | | | | | |
| Swanpeak----- | 85 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | Large stones | 0.61 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | Slope | 0.04 |
| | | Frost action | 0.50 | Slope | 0.04 | | |
| | | Slope | 0.04 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | | | | |
| 201: | | | | | | | |
| Swanpeak----- | 60 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Slope | 0.37 | Large stones | 0.61 |
| | | Low strength | 1.00 | Too clayey | 0.12 | Slope | 0.37 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.37 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | | | | |
| Ant Flat----- | 25 | Very limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Cutbanks cave | 1.00 | Slope | 0.37 |
| | | Low strength | 1.00 | Slope | 0.37 | | |
| | | Frost action | 0.50 | Too clayey | 0.28 | | |
| | | Slope | 0.37 | | | | |
| 202: | | | | | | | |
| Swanpeak----- | 50 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 1.00 | Slope | 0.16 | Large stones | 0.61 |
| | | Low strength | 1.00 | Too clayey | 0.12 | Slope | 0.16 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.16 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | | | | |
| Cloudless----- | 30 | Very limited | | Very limited | | Somewhat limited | |
| | | Low strength | 1.00 | Cutbanks cave | 1.00 | Slope | 0.16 |
| | | Shrink-swell | 0.68 | Slope | 0.16 | | |
| | | Frost action | 0.50 | | | | |
| | | Slope | 0.16 | | | | |
| 203: | | | | | | | |
| Swanpeak----- | 70 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 1.00 | Too clayey | 0.12 | Large stones | 0.61 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Frost action | 0.50 | Large stones | 0.02 | | |
| | | Large stones | 0.02 | | | | |
| Dutchcanyon----- | 20 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 0.10 | Carbonate content | 1.00 |
| | | | | | | Gravel | 0.03 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|---|--|--|----------------------------------|--|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 204: Swanpeak----- | 45 | Very limited Shrink-swell Too steep Low strength Frost action Large stones | 1.00 1.00 1.00 0.50 0.02 | Very limited Too steep Too clayey Cutbanks cave Large stones | 1.00 0.12 0.10 0.02 | Very limited Too steep Large stones | 1.00 0.61 |
| Dutchcanyon----- | 30 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Carbonate content Too steep Gravel | 1.00 1.00 0.03 |
| Ant Flat----- | 25 | Very limited Shrink-swell Low strength Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Cutbanks cave Too steep Too clayey | 1.00 1.00 0.28 | Very limited Too steep | 1.00 |
| 205: Thatcher----- | 85 | Very limited Frost action Low strength Slope | 1.00 1.00 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 206: Thatcher, dry----- | 85 | Very limited Frost action Low strength | 1.00 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 207: Thatcher----- | 50 | Very limited Frost action Too steep Low strength | 1.00 1.00 1.00 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Church Springs----- | 40 | Very limited Frost action Low strength Shrink-swell Slope | 1.00 1.00 0.50 0.16 | Somewhat limited Slope Cutbanks cave | 0.16 0.10 | Somewhat limited Slope | 0.16 |
| 208: Thatcher----- | 80 | Very limited Frost action Low strength Slope | 1.00 1.00 0.84 | Somewhat limited Slope Cutbanks cave | 0.84 0.10 | Somewhat limited Slope | 0.84 |
| Clegg----- | 20 | Very limited Low strength Slope Shrink-swell Frost action | 1.00 0.84 0.50 0.50 | Very limited Cutbanks cave Slope | 1.00 0.84 | Somewhat limited Slope | 0.84 |
| 209: Thatcher----- | 60 | Very limited Frost action Low strength | 1.00 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Joes----- | 25 | Very limited Frost action Low strength | 1.00 1.00 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|--------------------------------|---------------------------|--|--|--|--------------------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 210: Thatcherflats----- | 75 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 1.00 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.28 0.10 | Very limited Sodium content | 1.00 |
| 211: Thomasfork----- | 95 | Very limited Frost action Low strength Shrink-swell Depth to saturated zone Flooding | 1.00 1.00 1.00 0.90 0.40 | Very limited Depth to saturated zone Cutbanks cave Too clayey | 1.00 0.10 0.03 | Somewhat limited Depth to saturated zone | 0.90 |
| 212: Toponce----- | 50 | Very limited Low strength Shrink-swell Too steep Frost action | 1.00 1.00 1.00 0.50 | Very limited Too steep Too clayey Cutbanks cave | 1.00 0.12 0.10 | Very limited Too steep | 1.00 |
| Bailcreek----- | 40 | Very limited Shrink-swell Too steep Low strength Large stones Frost action | 1.00 1.00 1.00 0.92 0.50 | Very limited Too steep Large stones Too clayey Cutbanks cave | 1.00 0.92 0.10 | Very limited Too steep | 1.00 |
| 213: Tubbs Hollow----- | 50 | Very limited Too steep Large stones Depth to hard bedrock Frost action | 1.00 0.97 0.84 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 0.97 0.10 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 0.99 0.84 0.20 |
| Dry Canyon, dry----- | 35 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Cutbanks cave Too steep | 1.00 1.00 | Very limited Too steep | 1.00 |
| 214: Vicking----- | 85 | Very limited Low strength Frost action | 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| 215: Vicking----- | 85 | Very limited Low strength Frost action Slope | 1.00 0.50 0.01 | Somewhat limited Cutbanks cave Slope | 0.10 0.01 | Somewhat limited Slope | 0.01 |
| 216: Vicking----- | 85 | Very limited Low strength Too steep Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| 217: Vicking, dry----- | 85 | Very limited Low strength Frost action | 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---|--|--|--|---|----------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 218: Vicking, dry----- | 85 | Very limited Low strength Slope Frost action | 1.00 0.96 0.50 | Somewhat limited Slope Cutbanks cave | 0.96 0.10 | Somewhat limited Slope | 0.96 |
| 219: Vicking----- | 55 | Very limited Too steep Low strength Frost action | 1.00 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 0.10 | Very limited Too steep | 1.00 |
| Cokeville----- | 35 | Very limited Too steep Shrink-swell Frost action | 1.00 0.50 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep Gravel Large stones | 1.00 0.22 0.08 |
| 220: Vipont----- | 55 | Very limited Too steep Large stones Depth to hard bedrock Shrink-swell Frost action | 1.00 1.00 0.99 0.50 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 1.00 1.00 0.10 | Very limited Too steep Large stones Depth to bedrock Droughty | 1.00 1.00 0.99 0.83 |
| Dipcreek----- | 30 | Very limited Depth to hard bedrock Too steep Large stones Frost action | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 1.00 1.00 0.10 | Very limited Too steep Droughty Depth to bedrock Gravel | 1.00 1.00 1.00 0.01 |
| 221: Vipont----- | 50 | Very limited Too steep Large stones Depth to hard bedrock Shrink-swell Frost action | 1.00 1.00 0.99 0.50 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 1.00 1.00 0.10 | Very limited Too steep Large stones Depth to bedrock Droughty | 1.00 1.00 0.99 0.83 |
| Prucree----- | 35 | Very limited Too steep Depth to hard bedrock Frost action | 1.00 0.54 0.50 | Very limited Depth to hard bedrock Too steep Depth to soft bedrock Cutbanks cave | 1.00 1.00 0.64 0.10 | Very limited Too steep Depth to bedrock Droughty | 1.00 0.65 0.41 |
| 222: Vipont----- | 55 | Very limited Too steep Large stones Depth to hard bedrock Shrink-swell Frost action | 1.00 1.00 0.99 0.50 0.50 | Very limited Depth to hard bedrock Too steep Large stones Cutbanks cave | 1.00 1.00 1.00 1.00 0.10 | Very limited Too steep Large stones Depth to bedrock Droughty | 1.00 1.00 0.99 0.83 |
| Suryon----- | 35 | Very limited Too steep Frost action | 1.00 0.50 | Very limited Too steep Cutbanks cave | 1.00 1.00 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 223: | | | | | | | |
| Warshod----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Droughty | 0.09 |
| | | | | | | Gravel | 0.03 |
| Slan----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Shrink-swell | 0.50 | Cutbanks cave | 1.00 | Gravel | 1.00 |
| | | Frost action | 0.50 | Depth to soft bedrock | 0.29 | Depth to bedrock | 0.29 |
| 224: | | | | | | | |
| Warshod, dry----- | 55 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | Droughty | 0.09 |
| | | | | | | Gravel | 0.03 |
| Slan, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Gravel | 1.00 |
| | | Shrink-swell | 0.50 | Too steep | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Depth to soft bedrock | 0.29 | Depth to bedrock | 0.29 |
| 225: | | | | | | | |
| Water----- | 100 | Not rated | | Not rated | | Not rated | |
| 226: | | | | | | | |
| Water, miscellaneous--- | 100 | Not rated | | Not rated | | Not rated | |
| 227: | | | | | | | |
| Watkins Ridge, dry----- | 85 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | Gravel | 0.38 |
| | | Shrink-swell | 0.50 | Slope | 0.01 | Slope | 0.01 |
| | | Frost action | 0.50 | | | | |
| | | Slope | 0.01 | | | | |
| 228: | | | | | | | |
| Wursten----- | 75 | Somewhat limited | | Very limited | | Not limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | | |
| 229: | | | | | | | |
| Wursten----- | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Slope | 0.16 |
| | | Slope | 0.16 | Slope | 0.16 | | |
| 230: | | | | | | | |
| Wursten----- | 80 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | | |
| 231: | | | | | | | |
| Wursten, dry----- | 85 | Somewhat limited | | Very limited | | Not limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | | |
| 232: | | | | | | | |
| Wursten----- | 50 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | | |
| Bearhollow----- | 30 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | Gravel | 0.61 |

Soil Survey of Bear Lake County Area, Idaho

Roads and Streets, Shallow Excavations, and Lawns and Landscaping--Continued

| Map symbol and soil name | Pct. of map unit | Local roads and streets | Value | Shallow excavations | Value | Lawns and landscaping | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 233: | | | | | | | |
| Wursten----- | 55 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Frost action | 0.50 | Cutbanks cave | 1.00 | Slope | 0.04 |
| | | Slope | 0.04 | Slope | 0.04 | | |
| Rexburg----- | 30 | Very limited | | Somewhat limited | | Somewhat limited | |
| | | Frost action | 1.00 | Cutbanks cave | 0.10 | Slope | 0.04 |
| | | Low strength | 0.22 | Slope | 0.04 | | |
| | | Slope | 0.04 | | | | |
| 234: | | | | | | | |
| Wursten----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | | |
| Rexburg----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Frost action | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Too steep | 1.00 | Cutbanks cave | 0.10 | | |
| | | Low strength | 0.22 | | | | |
| 235: | | | | | | | |
| Wursten, dry----- | 45 | Very limited | | Very limited | | Very limited | |
| | | Too steep | 1.00 | Cutbanks cave | 1.00 | Too steep | 1.00 |
| | | Frost action | 0.50 | Too steep | 1.00 | | |
| Rexburg, dry----- | 35 | Very limited | | Very limited | | Very limited | |
| | | Frost action | 1.00 | Too steep | 1.00 | Too steep | 1.00 |
| | | Too steep | 1.00 | Cutbanks cave | 0.10 | | |
| | | Low strength | 0.22 | | | | |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the larger the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|----------------------|---------------------------------------|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Very limited Slow water movement | 1.00 | Somewhat limited Slope | 0.08 | Somewhat limited Too clayey Gravel content | 0.50 0.10 |
| 2: Ant Flat----- | 80 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Somewhat limited Too clayey Gravel content Slope | 0.50 0.10 0.01 |
| 3: Ant Flat----- | 80 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Gravel content | 1.00 0.50 0.10 |
| 4: Arbone----- | 85 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 5: Arbone----- | 80 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 6: Arbone, dry----- | 80 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 7: Arbone----- | 60 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| Wursten----- | 25 | Very limited Seepage, bottom layer Slow water movement | 1.00 0.50 | Very limited Seepage Slope | 1.00 0.08 | Not limited | |
| 8: Arbone----- | 55 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| Wursten----- | 35 | Very limited Seepage, bottom layer Slow water movement Slope | 1.00 0.50 0.01 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------|------------------|--|----------------------|--|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 9: | | | | | | | |
| Arbone, dry----- | 55 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| Wursten, dry----- | 35 | Very limited Seepage, bottom layer Slow water movement Slope | 1.00 0.50 0.01 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Slope | 0.01 |
| 10: | | | | | | | |
| Bailcreek----- | 75 | Very limited Slow water movement Too steep Large stones | 1.00 1.00 0.92 | Very limited Slope Large stones Seepage | 1.00 1.00 0.50 | Very limited Too clayey Hard to compact Too steep Large stones | 1.00 1.00 1.00 0.92 |
| Dranburn----- | 20 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 11: | | | | | | | |
| Bailcreek----- | 55 | Very limited Slow water movement Large stones Slope | 1.00 0.92 0.63 | Very limited Slope Large stones Seepage | 1.00 1.00 0.50 | Very limited Too clayey Hard to compact Large stones Slope | 1.00 1.00 0.92 0.63 |
| Toponce----- | 40 | Very limited Slow water movement Slope | 1.00 0.63 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.63 |
| 12: | | | | | | | |
| Bancroft----- | 80 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 13: | | | | | | | |
| Bancroft----- | 80 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 14: | | | | | | | |
| Bancroft----- | 85 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 15: | | | | | | | |
| Bear Lake----- | 55 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 0.72 0.40 | Very limited Depth to saturated zone Flooding Seepage | 1.00 0.40 0.27 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|--------------------------------------|---|--|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 15: Bear Lake, ponded----- | 25 | Very limited Ponding Depth to saturated zone Slow water movement Flooding | 1.00 1.00 0.72 0.40 | Very limited Ponding Depth to saturated zone Organic matter content Flooding Seepage | 1.00 1.00 1.00 0.40 0.27 | Very limited Ponding Depth to saturated zone Too clayey | 1.00 1.00 0.50 |
| 16: Bear Lake----- | 40 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 0.72 0.40 | Very limited Depth to saturated zone Flooding Seepage | 1.00 0.40 0.27 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| Chesbrook----- | 25 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 0.50 0.40 | Very limited Depth to saturated zone Carbonate content | 1.00 1.00 |
| La Roco----- | 15 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement Flooding | 1.00 1.00 0.50 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 0.50 0.40 | Somewhat limited Depth to saturated zone | 0.47 |
| 17: Bear Lake----- | 50 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 0.72 0.40 | Very limited Depth to saturated zone Flooding Seepage | 1.00 0.40 0.27 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| Lago----- | 35 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Too clayey | 0.98 0.50 |
| 18: Bearbou----- | 85 | Very limited Slow water movement Depth to saturated zone Flooding | 1.00 1.00 0.40 | Very limited Depth to saturated zone Flooding | 1.00 0.40 | Very limited Depth to saturated zone Gravel content | 1.00 0.02 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|------------------------------|---|--------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 19: | | | | | | | |
| Bearhollow----- | 30 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Too clayey Slope | 0.50 0.01 |
| Brifox----- | 25 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.01 |
| Iphil----- | 20 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 20: | | | | | | | |
| Bearhollow----- | 30 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Too clayey | 1.00 0.50 |
| Brifox----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| Iphil----- | 20 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 21: | | | | | | | |
| Benning----- | 90 | Very limited Slow water movement | 1.00 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 22: | | | | | | | |
| Bern----- | 90 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement | 1.00 1.00 0.72 | Very limited Depth to saturated zone Seepage | 1.00 1.00 | Somewhat limited Too clayey Depth to saturated zone | 0.50 0.14 |
| 23: | | | | | | | |
| Bezzant----- | 75 | Somewhat limited Slow water movement Slope | 0.50 0.37 | Very limited Slope Seepage | 1.00 0.50 | Very limited Gravel content Slope | 1.00 0.37 |
| 24: | | | | | | | |
| Bezzant----- | 45 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Gravel content Too steep | 1.00 1.00 |
| Swanpeak----- | 45 | Very limited Slow water movement Large stones Slope | 1.00 0.02 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|----------------------|--|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 25: | | | | | | | |
| Bischoff----- | 55 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Too clayey | 1.00 0.50 |
| Hagenbarth----- | 40 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 26: | | | | | | | |
| Bloomington----- | 80 | Very limited Depth to saturated zone Slow water movement Ponding | 1.00 1.00 1.00 | Very limited Depth to saturated zone Ponding Organic matter content | 1.00 1.00 1.00 | Very limited Depth to saturated zone Ponding Too clayey | 1.00 1.00 0.50 |
| 27: | | | | | | | |
| Boundridge----- | 75 | Very limited Depth to bedrock Depth to cemented pan Slope | 1.00 1.00 0.04 | Very limited Depth to cemented pan Seepage Slope | 1.00 1.00 1.00 | Very limited Depth to cemented pan Depth to bedrock Gravel content Slope | 1.00 1.00 0.88 0.04 |
| Sweetcreek----- | 20 | Very limited Slow water movement Depth to bedrock Slope | 1.00 1.00 0.04 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Slope | 1.00 0.04 |
| 28: | | | | | | | |
| Boyd hollow----- | 35 | Very limited Too steep Seepage, bottom layer | 1.00 1.00 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Gravel content Seepage | 1.00 1.00 0.50 |
| Slan----- | 30 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Depth to bedrock | 1.00 1.00 |
| Cokeville----- | 15 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 0.47 | Very limited Slope Depth to soft bedrock | 1.00 0.05 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.09 0.05 |
| 29: | | | | | | | |
| Brifox----- | 75 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.01 |
| Lizdale----- | 20 | Very limited Seepage, bottom layer Slope | 1.00 0.01 | Very limited Seepage Slope | 1.00 1.00 | Very limited Seepage Gravel content Too sandy Slope | 1.00 1.00 0.50 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|----------------------|--|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 30: Brifox----- | 45 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.01 |
| Niter----- | 35 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.01 |
| 31: Brifox----- | 45 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| Niter----- | 35 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| 32: Broadhead----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too clayey Hard to compact | 1.00 1.00 |
| 33: Broadhead----- | 80 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.01 |
| 34: Broadhead----- | 40 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| Hades----- | 40 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Too clayey | 1.00 0.50 |
| Swanpeak----- | 20 | Very limited Slow water movement Too steep Large stones | 1.00 1.00 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Too steep Large stones | 1.00 1.00 0.70 |
| 35: Buist----- | 85 | Very limited Seepage, bottom layer Large stones | 1.00 0.09 | Very limited Seepage Large stones Slope | 1.00 0.26 0.08 | Somewhat limited Gravel content Seepage Large stones | 0.59 0.50 0.29 |
| 36: Buist----- | 90 | Very limited Seepage, bottom layer Large stones Slope | 1.00 0.09 0.01 | Very limited Seepage Slope Large stones | 1.00 1.00 0.26 | Somewhat limited Gravel content Seepage Large stones Slope | 0.59 0.50 0.29 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 37: Buist, dry----- | 90 | Very limited Seepage, bottom layer Large stones Slope | 1.00 0.09 0.01 | Very limited Seepage Slope Large stones | 1.00 1.00 0.26 | Somewhat limited Gravel content Seepage Large stones Slope | 0.59 0.50 0.29 0.01 |
| 38: Buist----- | 90 | Very limited Seepage, bottom layer Large stones | 1.00 0.08 | Very limited Seepage Large stones Slope | 1.00 0.18 0.08 | Somewhat limited Gravel content Seepage Large stones | 0.65 0.50 0.27 |
| 39: Buist----- | 65 | Very limited Seepage, bottom layer Large stones | 1.00 0.09 | Very limited Seepage Large stones Slope | 1.00 0.26 0.08 | Somewhat limited Gravel content Seepage Large stones | 0.59 0.50 0.29 |
| Arbone----- | 30 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 40: Burchert----- | 60 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey | 1.00 1.00 0.50 |
| Whitetop----- | 25 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Seepage | 1.00 1.00 0.50 |
| 41: Cedarhill----- | 90 | Somewhat limited Slope Slow water movement Large stones | 0.84 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Large stones Slope Gravel content | 0.88 0.84 0.20 |
| 42: Cedarhill, dry----- | 80 | Very limited Too steep Slow water movement Large stones | 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| 43: Cedarhill----- | 50 | Somewhat limited Slope Slow water movement Large stones | 0.84 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Large stones Slope Gravel content | 0.88 0.84 0.20 |
| Bearhollow----- | 40 | Very limited Slow water movement Slope | 1.00 0.84 | Very limited Seepage Slope | 1.00 1.00 | Somewhat limited Slope Too clayey | 0.84 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 44: Cedarhill----- | 50 | Very limited Too steep Slow water movement Large stones | 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| Buist----- | 35 | Very limited Too steep Seepage, bottom layer Large stones | 1.00 1.00 0.09 | Very limited Slope Seepage Large stones | 1.00 1.00 0.26 | Very limited Too steep Gravel content Seepage Large stones | 1.00 0.59 0.50 0.29 |
| 45: Cedarhill----- | 60 | Very limited Too steep Slow water movement Large stones | 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| Burchert----- | 35 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey | 1.00 1.00 0.50 |
| 46: Cedarhill----- | 60 | Somewhat limited Slope Slow water movement Large stones | 0.84 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Large stones Slope Gravel content | 0.88 0.84 0.20 |
| Clegg----- | 40 | Very limited Slow water movement Slope | 1.00 0.84 | Very limited Slope Seepage | 1.00 0.27 | Somewhat limited Slope | 0.84 |
| 47: Cedarhill----- | 45 | Very limited Too steep Slow water movement Large stones | 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| Clegg----- | 30 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.27 | Very limited Too steep | 1.00 |
| Drage----- | 20 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.18 0.10 |
| 48: Cedarhill, dry----- | 50 | Very limited Too steep Slow water movement Large stones | 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 48: Pinehollow, dry----- | 35 | Very limited Depth to bedrock Too steep Slow water movement Large stones | 1.00 1.00 0.50 0.96 0.05 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 0.96 0.50 | Very limited Depth to bedrock Too steep Large stones | 1.00 1.00 0.05 |
| 49: Cedarhill----- | 50 | Very limited Too steep Slow water movement Large stones | 1.00 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| Wursten----- | 40 | Very limited Too steep Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep | 1.00 |
| 50: Chesbrook----- | 65 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 0.50 0.40 | Very limited Depth to saturated zone Carbonate content | 1.00 1.00 |
| Bear Lake----- | 20 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 0.72 0.40 | Very limited Depth to saturated zone Flooding Seepage | 1.00 0.40 0.27 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| 51: Chinhill----- | 80 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 52: Chokecherry----- | 65 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.95 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage Gravel content | 1.00 1.00 0.95 0.50 0.01 |
| Dranyon----- | 20 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Gravel content | 1.00 0.50 0.03 |
| 53: Chokecherry----- | 45 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.95 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage Gravel content | 1.00 1.00 0.95 0.50 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 53: | | | | | | | |
| Slights----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| Sheep Creek----- | 20 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.53 | Very limited Depth to bedrock Too steep Gravel content Too clayey | 1.00 1.00 0.69 0.50 |
| 54: | | | | | | | |
| Chokecherry----- | 30 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.95 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage Gravel content | 1.00 1.00 0.95 0.50 0.01 |
| Tubbs Hollow----- | 30 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.97 | Very limited Depth to hard bedrock Seepage Slope Large stones | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage | 1.00 1.00 0.97 0.50 |
| Sheep Creek, dry----- | 25 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.53 | Very limited Depth to bedrock Too steep Gravel content Too clayey | 1.00 1.00 0.69 0.50 |
| 55: | | | | | | | |
| Church Springs, dry----- | 55 | Very limited Slow water movement Slope | 1.00 0.84 | Very limited Slope Seepage | 1.00 0.08 | Somewhat limited Slope | 0.84 |
| Monida, dry----- | 35 | Somewhat limited Slope Slow water movement | 0.84 0.50 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope Gravel content | 0.84 0.61 |
| 56: | | | | | | | |
| Cleavage----- | 70 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.24 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 57: | | | | | | | |
| Clegg----- | 90 | Very limited Slow water movement | 1.00 | Somewhat limited Seepage Slope | 0.27 0.08 | Not limited | |
| 58: | | | | | | | |
| Clegg----- | 90 | Very limited Slow water movement Slope | 1.00 0.63 | Very limited Slope Seepage | 1.00 0.27 | Somewhat limited Slope | 0.63 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|----------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 59: | | | | | | | |
| Clegg----- | 50 | Very limited Slow water movement Slope | 1.00 0.96 | Very limited Slope Seepage | 1.00 0.27 | Somewhat limited Slope | 0.96 |
| Grecan----- | 35 | Very limited Slow water movement Slope | 1.00 0.96 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.96 |
| 60: | | | | | | | |
| Cooley, dry----- | 40 | Very limited Too steep Seepage, bottom layer | 1.00 1.00 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Gravel content Seepage | 1.00 1.00 0.50 |
| Beehunt, dry----- | 30 | Very limited Too steep Large stones Slow water movement | 1.00 0.97 0.50 | Very limited Slope Large stones Seepage | 1.00 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 1.00 0.61 |
| 61: | | | | | | | |
| Crossley----- | 70 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 62: | | | | | | | |
| Crossley----- | 50 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| Whitetop----- | 30 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Seepage | 1.00 1.00 0.50 |
| Rock outcrop----- | 10 | Not rated | | Not rated | | Not rated | |
| 63: | | | | | | | |
| Cupine----- | 45 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| Dunford----- | 25 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Too steep Depth to bedrock Too clayey | 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 64: Cupine, dry----- | 40 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Seepage Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| Falula, dry----- | 30 | Very limited Depth to bedrock Large stones Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Large stones Too steep Gravel content | 1.00 1.00 1.00 0.73 |
| 65: Dennot, dry----- | 50 | Somewhat limited Slow water movement Slope | 0.50 0.37 | Very limited Slope Seepage | 1.00 0.50 | Very limited Gravel content Slope | 1.00 0.37 |
| Thatcher, dry----- | 40 | Very limited Slow water movement Slope | 1.00 0.37 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.37 |
| 66: Dingle----- | 80 | Very limited Depth to saturated zone Subsidence Slow water movement Ponding | 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Ponding Organic matter content Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding | 1.00 1.00 |
| 67: Dinswamp----- | 75 | Very limited Depth to saturated zone Slow water movement Ponding | 1.00 1.00 1.00 | Very limited Depth to saturated zone Ponding Organic matter content | 1.00 1.00 1.00 | Very limited Depth to saturated zone Sodium content Ponding Too clayey | 1.00 1.00 1.00 0.50 |
| 68: Dipcreek----- | 35 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| Cutoff----- | 30 | Very limited Seepage, bottom layer Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.92 0.52 |
| Sheep Creek----- | 20 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.53 | Very limited Depth to bedrock Too steep Gravel content Too clayey | 1.00 1.00 0.69 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 69: Dipcreek----- | 60 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| Rock outcrop----- | 40 | Not rated | | Not rated | | Not rated | |
| 70: Dirtyhead----- | 50 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content | 1.00 1.00 0.52 |
| Cedarhill----- | 30 | Very limited Too steep Slow water movement Large stones | 1.00 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| 71: Dirtyhead----- | 35 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content | 1.00 1.00 0.52 |
| Mumford----- | 30 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Gravel content Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| Dranburn----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 72: Dollarhide----- | 90 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Seepage Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.96 0.50 |
| 73: Dollarhide----- | 60 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.96 0.50 |
| Grunder----- | 20 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock Too clayey | 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|--------------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 74: | | | | | | | |
| Drage----- | 35 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.18 0.10 |
| Causey----- | 30 | Very limited Too steep Seepage, bottom layer | 1.00 1.00 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Seepage | 1.00 0.50 |
| Lilcan----- | 25 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.30 | Very limited Depth to hard bedrock Slope Seepage Large stones | 1.00 1.00 1.00 1.00 0.36 | Very limited Depth to bedrock Too steep Seepage Gravel content Large stones | 1.00 1.00 0.50 0.43 0.30 |
| 75: | | | | | | | |
| Dranburn----- | 50 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Hoopgobel----- | 25 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey | 1.00 1.00 0.50 |
| Ledgehollow----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.01 |
| 76: | | | | | | | |
| Dranburn----- | 60 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Pavohroo----- | 40 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Gravel content | 1.00 0.01 |
| 77: | | | | | | | |
| Dranburn----- | 60 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Pontuge----- | 30 | Very limited Seepage, bottom layer Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Gravel content Seepage | 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 78: Dranburn----- | 60 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Poulridge----- | 40 | Very limited Slow water movement Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to soft bedrock Seepage Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey | 1.00 1.00 0.50 |
| 79: Dranyon----- | 75 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Gravel content | 1.00 0.50 0.03 |
| 80: Dry Canyon, dry----- | 85 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.63 | Very limited Slope Depth to soft bedrock | 1.00 0.18 | Very limited Too steep Too clayey Depth to bedrock | 1.00 0.50 0.18 |
| 81: Dry Canyon, dry----- | 55 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.63 | Very limited Slope Depth to soft bedrock | 1.00 0.18 | Very limited Too steep Too clayey Depth to bedrock | 1.00 0.50 0.18 |
| Cutoff----- | 30 | Very limited Seepage, bottom layer Depth to bedrock Too steep | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.92 0.52 |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Very limited Carbonate content Slope | 1.00 0.01 |
| 84: Dutchcanyon----- | 45 | Somewhat limited Slow water movement Slope | 0.50 0.16 | Very limited Slope Seepage | 1.00 0.50 | Very limited Carbonate content Slope | 1.00 0.16 |
| Frenchollow----- | 35 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|--------------------------|--|--------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 85: Every----- | 50 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 0.98 0.50 | Very limited Slope Depth to soft bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.95 0.94 |
| Preuss----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| 86: Every----- | 55 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 0.98 0.50 | Very limited Slope Depth to soft bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.95 0.94 |
| Preuss----- | 30 | Very limited Too steep Depth to bedrock | 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| 87: Fishaven----- | 70 | Very limited Depth to bedrock Slope Slow water movement | 1.00 0.96 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Slope Gravel content | 1.00 0.96 0.34 |
| Dutchcanyon----- | 20 | Somewhat limited Slope Slow water movement | 0.96 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Carbonate content Slope | 1.00 0.96 |
| 88: Frenchollow----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slope | 0.08 | Very limited Too clayey Hard to compact | 1.00 1.00 |
| 89: Frenchollow----- | 85 | Very limited Slow water movement Slope | 1.00 0.63 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.63 |
| 90: Fury----- | 90 | Very limited Flooding Depth to saturated zone Slow water movement | 1.00 1.00 1.00 | Very limited Flooding Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| 91: Georgecanyon----- | 90 | Very limited Slow water movement | 1.00 | Somewhat limited Seepage Slope | 0.50 0.08 | Somewhat limited Gravel content Large stones | 0.53 0.17 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 92: Hades----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Seepage | 0.50 | Somewhat limited Too clayey | 0.50 |
| 93: Hades----- | 85 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Too clayey Slope | 0.50 0.01 |
| 94: Hades----- | 90 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Too clayey | 1.00 0.50 |
| 95: Hades----- | 60 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Too clayey | 1.00 0.50 |
| Horrocks----- | 25 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.98 | Very limited Slope Depth to hard bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Depth to bedrock Gravel content Too clayey | 1.00 0.94 0.76 0.50 |
| 96: Hagenbarth----- | 60 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Clegg----- | 40 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.27 | Very limited Too steep | 1.00 |
| 97: Hagenbarth----- | 55 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Dranburn----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 98: Hagenbarth----- | 55 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Horrocks----- | 30 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 0.98 | Very limited Slope Depth to hard bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Depth to bedrock Gravel content Too clayey | 1.00 0.94 0.76 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 99: Hagenbarth----- | 40 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Zeebar----- | 35 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Gravel content | 1.00 0.80 |
| Dranburn----- | 20 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 100: Hoopgobel----- | 55 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Too steep Depth to bedrock Too clayey | 1.00 1.00 0.50 |
| Cadero----- | 30 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Seepage | 1.00 1.00 0.50 |
| 101: Hoopgobel----- | 65 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Too steep Depth to bedrock Too clayey | 1.00 1.00 0.50 |
| Slights----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Hard to compact | 1.00 1.00 1.00 |
| 102: Horrocks----- | 55 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.98 | Very limited Slope Depth to hard bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Depth to bedrock Gravel content Too clayey | 1.00 0.94 0.76 0.50 |
| Cedarhill----- | 30 | Very limited Too steep Slow water movement Large stones | 1.00 0.50 0.29 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Large stones Gravel content | 1.00 0.88 0.20 |
| 103: Horrocks----- | 60 | Very limited Slow water movement Depth to bedrock Slope | 1.00 0.98 0.04 | Very limited Slope Depth to hard bedrock Seepage | 1.00 0.93 0.50 | Somewhat limited Depth to bedrock Gravel content Too clayey Slope | 0.94 0.76 0.50 0.04 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|--------------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 103: Cleavage----- | 25 | Very limited Depth to bedrock Slope | 1.00 0.04 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too clayey Gravel content Slope | 1.00 0.50 0.24 0.04 |
| 104: Horrocks----- | 60 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.98 | Very limited Slope Depth to hard bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Depth to bedrock Gravel content Too clayey | 1.00 0.94 0.76 0.50 |
| Cleavage----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.24 |
| 105: Hutchley----- | 30 | Very limited Depth to bedrock Too steep Large stones | 1.00 1.00 1.00 0.16 | Very limited Depth to hard bedrock Slope Seepage Large stones | 1.00 1.00 1.00 0.28 0.17 | Very limited Depth to bedrock Too steep Large stones | 1.00 1.00 0.16 |
| Cupine----- | 25 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Seepage Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| Vitale----- | 20 | Very limited Slow water movement Depth to bedrock Large stones Too steep | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep | 1.00 1.00 1.00 |
| 106: Iphil----- | 80 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 107: Iphil----- | 80 | Somewhat limited Slow water movement Slope | 0.50 0.04 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.04 |
| 108: Iphil----- | 80 | Somewhat limited Slope Slow water movement | 0.96 0.50 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.96 |
| 109: Iphil----- | 30 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|----------------------|--|--------------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 109: Lanoak----- | 30 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Watercanyon----- | 20 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 110: Iphil----- | 50 | Somewhat limited Slow water movement Slope | 0.50 0.37 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.37 |
| Watercanyon----- | 30 | Somewhat limited Slow water movement Slope | 0.50 0.37 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.37 |
| 111: Iphil, dry----- | 50 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| Watercanyon, dry----- | 30 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 112: Ireland----- | 45 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage Large stones | 1.00 1.00 1.00 0.50 0.03 | Very limited Too steep Depth to bedrock Gravel content | 1.00 1.00 0.02 |
| Falula----- | 35 | Very limited Depth to bedrock Too steep Large stones | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Large stones Gravel content | 1.00 1.00 1.00 0.73 |
| Vicking----- | 15 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 113: Jacanyon----- | 65 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|----------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 113: Cleavage----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.24 |
| 114: Jebo, dry----- | 40 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Seepage Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.53 0.50 |
| Cokeville, dry----- | 30 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.47 | Very limited Slope Depth to soft bedrock | 1.00 0.05 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.09 0.05 |
| Dennot, dry----- | 20 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Gravel content Too steep | 1.00 1.00 |
| 115: Jebo----- | 55 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.53 0.50 |
| Cupine----- | 25 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| 116: Jebo, dry----- | 55 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.53 0.50 |
| Cupine, dry----- | 25 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Seepage Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| 117: Jebo----- | 55 | Very limited Too steep Depth to bedrock Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock Gravel content Seepage | 1.00 1.00 0.53 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------------------|--|--------------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 117: Dipcreek----- | 35 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| 118: Jebo, dry----- | 55 | Very limited Too steep Depth to bedrock Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock Gravel content Seepage | 1.00 1.00 0.53 0.50 |
| Dipcreek, dry----- | 35 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| 119: Joes----- | 75 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage | 0.50 | Not limited | |
| 120: Joes----- | 75 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 121: Kucera----- | 90 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.68 | Very limited Too steep | 1.00 |
| 122: Kucera----- | 45 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.68 | Very limited Too steep | 1.00 |
| Chausse----- | 25 | Very limited Too steep Seepage, bottom layer | 1.00 1.00 | Very limited Slope Seepage Large stones | 1.00 1.00 0.04 | Very limited Too steep Gravel content Seepage | 1.00 0.75 0.21 |
| Rexburg----- | 15 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|------------------------------|---|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 123: La Roco----- | 85 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement Flooding | 1.00 1.00 0.50 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 0.50 0.40 | Somewhat limited Depth to saturated zone | 0.47 |
| 124: La Roco, saline----- | 85 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Depth to saturated zone Seepage | 1.00 0.50 | Somewhat limited Depth to saturated zone | 0.47 |
| 125: Lag----- | 40 | Very limited Too steep Seepage, bottom layer | 1.00 1.00 | Very limited Seepage Slope | 1.00 1.00 | Very limited Too steep Gravel content Seepage | 1.00 1.00 0.50 |
| Dollarhide----- | 35 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Seepage Slope | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.96 0.50 |
| Rock outcrop----- | 15 | Not rated | | Not rated | | Not rated | |
| 126: Lag----- | 60 | Very limited Too steep Seepage, bottom layer | 1.00 1.00 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Gravel content Seepage | 1.00 1.00 0.50 |
| Dranyon----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Gravel content | 1.00 0.50 0.03 |
| 127: Lago----- | 85 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Too clayey | 0.98 0.50 |
| 128: Lago----- | 65 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Too clayey | 0.98 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|------------------------------|---|----------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 128: Bear Lake----- | 25 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 0.72 0.40 | Very limited Depth to saturated zone Flooding Seepage | 1.00 0.40 0.27 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| 129: Lago----- | 60 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Too clayey | 0.98 0.50 |
| Merkley----- | 30 | Very limited Seepage, bottom layer Depth to saturated zone Slow water movement | 1.00 0.97 0.50 | Very limited Seepage Depth to saturated zone | 1.00 0.52 | Somewhat limited Seepage | 0.50 |
| 130: Lanoak----- | 80 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 131: Lanoak----- | 85 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slope Seepage | 0.92 0.50 | Not limited | |
| 132: Lanoak----- | 85 | Somewhat limited Slow water movement Slope | 0.50 0.16 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.16 |
| 133: Lanoak----- | 90 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 134: Lanoak----- | 60 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Arbone----- | 30 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 135: Lanoak----- | 55 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|---|------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 135: Rexburg----- | 35 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 136: Leftfork----- | 60 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 1.00 0.98 | Very limited Slope Depth to soft bedrock Depth to hard bedrock | 1.00 0.93 0.84 | Very limited Too clayey Too steep Depth to bedrock | 1.00 1.00 0.94 |
| Cleavage----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.24 |
| 137: Lilcan----- | 60 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.30 | Very limited Depth to hard bedrock Seepage Slope Large stones | 1.00 1.00 1.00 0.36 | Very limited Depth to bedrock Too steep Seepage Gravel content Large stones | 1.00 1.00 0.50 0.43 0.30 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| Jacanyon----- | 15 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.01 |
| 138: Lilcan----- | 35 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.30 | Very limited Depth to hard bedrock Slope Seepage Large stones | 1.00 1.00 1.00 0.36 | Very limited Depth to bedrock Too steep Seepage Gravel content Large stones | 1.00 1.00 0.50 0.43 0.30 |
| Watkins Ridge, dry----- | 35 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Jacanyon----- | 20 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.01 |
| 139: Lonjon----- | 45 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|--------------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 139: | | | | | | | |
| Kucera----- | 20 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.68 | Very limited Too steep | 1.00 |
| Spollow----- | 15 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| 140: | | | | | | | |
| Lonjon----- | 45 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| Kucera, dry----- | 20 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.68 | Very limited Too steep | 1.00 |
| Spollow, dry----- | 15 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| 141: | | | | | | | |
| Lonjon----- | 30 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| Monida----- | 25 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Gravel content | 1.00 0.61 |
| Chokecherry----- | 20 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.95 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage Gravel content | 1.00 1.00 0.95 0.50 0.01 |
| 142: | | | | | | | |
| Lonjon----- | 45 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Mumford----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 1.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|--------------------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 143: | | | | | | | |
| Lonjon----- | 40 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Too steep Carbonate content | 1.00 1.00 1.00 1.00 |
| Sheep Creek----- | 30 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.53 | Very limited Depth to bedrock Too steep Gravel content Too clayey | 1.00 1.00 0.69 0.50 |
| Dipcreek----- | 25 | Very limited Depth to bedrock Large stones Too steep Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Too steep Seepage | 1.00 1.00 1.00 0.50 |
| 144: | | | | | | | |
| Lonjon----- | 45 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Sprollo----- | 20 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Mumford----- | 15 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 1.00 |
| 145: | | | | | | | |
| Marshdale----- | 45 | Very limited Flooding Depth to saturated zone Seepage, bottom layer Slow water movement | 1.00 1.00 1.00 1.00 | Very limited Flooding Seepage Depth to saturated zone | 1.00 1.00 1.00 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| Bloomcreek----- | 30 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement Flooding | 1.00 1.00 1.00 0.50 0.40 | Very limited Seepage Depth to saturated zone Flooding | 1.00 1.00 0.40 | Very limited Seepage Depth to saturated zone Gravel content Too sandy | 1.00 0.98 0.94 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|------------------------------|---|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 146: Merkley----- | 85 | Very limited Seepage, bottom layer Depth to saturated zone Slow water movement | 1.00 0.97 0.50 | Very limited Seepage Depth to saturated zone | 1.00 0.52 | Somewhat limited Seepage | 0.50 |
| 147: Millerditch----- | 60 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement Flooding | 1.00 1.00 0.50 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Seepage | 0.53 0.50 |
| Cookcan----- | 25 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement Flooding | 1.00 1.00 0.50 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 0.40 | Very limited Depth to saturated zone Too sandy Seepage | 1.00 0.50 0.21 |
| 148: Mumford----- | 90 | Very limited Depth to bedrock Slope | 1.00 0.16 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Gravel content Carbonate content Slope | 1.00 1.00 1.00 0.16 |
| 149: Mumford----- | 60 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 1.00 |
| Sprollo----- | 25 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| 150: Mumford----- | 60 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 1.00 |
| Sprollo, dry----- | 25 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|--------------------------------------|--|------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 151: Mumford----- | 65 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 |
| Sprollo, dry----- | 25 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 |
| 152: Nielsen----- | 45 | Very limited Depth to bedrock Too steep Large stones | 1.00 1.00 0.98 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Too clayey | 1.00 1.00 0.98 0.50 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Hagenbarth----- | 15 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 153: North Beach----- | 100 | Very limited Depth to saturated zone Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.56 | Very limited Seepage Depth to saturated zone Large stones Slope | 1.00 1.00 1.00 0.32 | Somewhat limited Depth to saturated zone Seepage Large stones | 0.98 0.50 0.01 |
| 154: Nuffer----- | 45 | Very limited Depth to saturated zone Seepage, bottom layer Flooding | 1.00 1.00 1.00 0.40 | Very limited Seepage Depth to saturated zone Flooding | 1.00 1.00 0.40 | Very limited Too sandy Seepage Gravel content Depth to saturated zone | 1.00 1.00 1.00 0.86 |
| Blackotter----- | 35 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement Flooding | 1.00 1.00 1.00 0.50 0.40 | Very limited Seepage Depth to saturated zone Flooding | 1.00 1.00 0.40 | Very limited Depth to saturated zone | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|------------------------------|---|--------------------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 155: Nythar----- | 75 | Very limited Depth to saturated zone Slow water movement Flooding | 1.00 1.00 0.40 | Very limited Depth to saturated zone Organic matter content Seepage Flooding Slope | 1.00 1.00 0.50 0.40 0.08 | Very limited Depth to saturated zone | 1.00 |
| Sagollow----- | 15 | Very limited Slow water movement Depth to saturated zone Large stones | 1.00 1.00 1.00 0.18 | Very limited Depth to saturated zone Slope | 1.00 0.08 | Somewhat limited Large stones Depth to saturated zone Too clayey | 0.95 0.76 0.50 |
| 156: Ovidcreek----- | 75 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Seepage | 1.00 0.50 | Very limited Sodium content Carbonate content Depth to saturated zone | 1.00 1.00 0.06 |
| 157: Parding----- | 40 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Carbonate content | 1.00 1.00 |
| Firading----- | 30 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.90 0.21 |
| Hagenbarth----- | 15 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 158: Parding, dry----- | 40 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Carbonate content | 1.00 1.00 |
| Firading, dry----- | 30 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Gravel content Seepage | 1.00 1.00 0.90 0.21 |
| Hagenbarth, dry----- | 15 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|--------------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 159: Pegram----- | 80 | Very limited Slow water movement Seepage, bottom layer | 1.00 1.00 | Very limited Seepage Slope | 1.00 0.08 | Very limited Seepage Gravel content Too clayey | 1.00 1.00 0.50 |
| 160: Pinegap----- | 50 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 0.52 0.50 | Very limited Slope Seepage Depth to hard bedrock | 1.00 0.53 0.08 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.44 0.08 |
| Lonjon----- | 35 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| 161: Pinehollow----- | 45 | Very limited Depth to bedrock Too steep Slow water movement Large stones | 1.00 1.00 0.50 0.05 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 0.96 0.50 | Very limited Depth to bedrock Too steep Large stones | 1.00 1.00 0.05 |
| Ant Flat----- | 25 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Somewhat limited Too clayey Slope Gravel content | 0.50 0.16 0.10 |
| Sheep Creek----- | 20 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.53 | Very limited Depth to bedrock Too steep Gravel content Too clayey | 1.00 1.00 0.69 0.50 |
| 162: Pits, gravel----- | 100 | Not rated | | Not rated | | Not rated | |
| 163: Pontuge----- | 45 | Very limited Too steep Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Gravel content Seepage | 1.00 1.00 0.50 |
| Cokeville----- | 40 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 0.47 | Very limited Slope Depth to soft bedrock | 1.00 0.05 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.09 0.05 |
| 164: Preussrange----- | 50 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.01 | Very limited Depth to soft bedrock Slope Seepage Large stones | 1.00 1.00 1.00 0.06 | Very limited Depth to bedrock Too steep Seepage Too clayey Gravel content | 1.00 1.00 0.50 0.50 0.27 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|--|--|--|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 164: Halfcircle----- | 35 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 0.99 | Very limited Slope Depth to soft bedrock | 1.00 0.96 | Very limited Too steep Depth to bedrock | 1.00 0.96 |
| 165: Prucree----- | 50 | Very limited Depth to bedrock Seepage, bottom layer Slope | 1.00 1.00 0.63 | Very limited Depth to hard bedrock Depth to soft bedrock Seepage Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Slope Seepage | 1.00 0.63 0.50 |
| Dipcreek----- | 30 | Very limited Depth to bedrock Large stones Seepage, bottom layer Slope | 1.00 1.00 1.00 0.63 | Very limited Depth to hard bedrock Large stones Seepage Slope | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Large stones Slope Seepage | 1.00 1.00 0.63 0.50 |
| 166: Raynal----- | 90 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Seepage | 0.24 0.21 |
| 167: Raynal----- | 60 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Seepage | 0.24 0.21 |
| Lago----- | 30 | Very limited Depth to saturated zone Slow water movement Seepage, bottom layer Flooding | 1.00 1.00 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 1.00 1.00 0.40 | Somewhat limited Depth to saturated zone Too clayey | 0.98 0.50 |
| 168: Ream----- | 55 | Very limited Seepage, bottom layer Depth to saturated zone Slow water movement | 1.00 0.84 0.50 | Very limited Seepage Depth to saturated zone | 1.00 0.17 | Very limited Seepage Too sandy Gravel content | 1.00 0.50 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|----------------------|--|----------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 168: Merkley----- | 30 | Very limited Seepage, bottom layer Depth to saturated zone Slow water movement | 1.00 0.97 0.50 | Very limited Seepage Depth to saturated zone | 1.00 0.52 | Somewhat limited Seepage | 0.50 |
| 169: Redpine----- | 45 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Too clayey | 1.00 1.00 0.50 |
| Draney----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| Brushtop----- | 15 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 0.98 | Very limited Slope Depth to soft bedrock Seepage | 1.00 0.93 0.50 | Very limited Too steep Depth to bedrock Too clayey | 1.00 0.94 0.50 |
| 170: Rexburg----- | 80 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 171: Rexburg----- | 55 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| Iphil----- | 25 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 172: Rexburg----- | 50 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slope Seepage | 0.92 0.50 | Not limited | |
| Iphil----- | 25 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slope Seepage | 0.92 0.50 | Not limited | |
| 173: Rexburg----- | 65 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| Kucera----- | 25 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.68 0.08 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------|---------------------------------------|--------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 174: Rexburg----- | 55 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| Kucera----- | 35 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.68 | Somewhat limited Slope | 0.01 |
| 175: Rexburg----- | 60 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Kucera----- | 35 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.68 | Very limited Too steep | 1.00 |
| 176: Rexburg----- | 55 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| Ririe----- | 35 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 177: Rexburg----- | 50 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slope Seepage | 0.92 0.50 | Not limited | |
| Ririe----- | 25 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Slope Seepage | 0.92 0.50 | Not limited | |
| 178: Rexburg----- | 50 | Somewhat limited Slow water movement Slope | 0.50 0.16 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.16 |
| Ririe----- | 30 | Somewhat limited Slow water movement Slope | 0.50 0.16 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.16 |
| 179: Rexburg----- | 55 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| Watercanyon----- | 30 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|------------------------------|--|------------------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 180: Rexburg----- | 50 | Somewhat limited Slow water movement | 0.50 | Very limited Slope Seepage | 1.00 0.50 | Not limited | |
| Wursten----- | 40 | Very limited Seepage, bottom layer Slow water movement | 1.00 0.50 | Very limited Seepage Slope | 1.00 1.00 | Not limited | |
| 181: Richollow----- | 70 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.11 | Very limited Depth to hard bedrock Seepage Slope Large stones | 1.00 1.00 1.00 0.01 | Very limited Depth to bedrock Too steep Gravel content Seepage Large stones | 1.00 1.00 0.89 0.50 0.11 |
| Dranburn----- | 20 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 182: Richollow----- | 55 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.11 | Very limited Depth to hard bedrock Seepage Slope Large stones | 1.00 1.00 1.00 0.01 | Very limited Depth to bedrock Too steep Gravel content Seepage Large stones | 1.00 1.00 0.89 0.50 0.11 |
| Ledgehollow----- | 30 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to soft bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.01 |
| 183: Ririe----- | 40 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| Iphil----- | 35 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |
| 184: Sadducee----- | 55 | Very limited Depth to saturated zone Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Depth to saturated zone Seepage | 1.00 1.00 | Very limited Depth to saturated zone Too clayey | 1.00 0.50 |
| Bearbeach----- | 45 | Very limited Depth to saturated zone Filtering capacity Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Seepage Depth to saturated zone Organic matter content | 1.00 1.00 1.00 | Very limited Depth to saturated zone Seepage Gravel content Too sandy | 1.00 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 185: Sheep Creek, dry----- | 40 | Very limited Depth to bedrock Too steep Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.53 | Very limited Depth to bedrock Too steep Gravel content Too clayey | 1.00 1.00 0.69 0.50 |
| Taylow, dry----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| Dry Canyon, dry----- | 20 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 0.63 | Very limited Slope Depth to soft bedrock | 1.00 0.18 | Very limited Too steep Too clayey Depth to bedrock | 1.00 0.50 0.18 |
| 186: Slight----- | 65 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 187: Springhollow----- | 45 | Very limited Depth to cemented pan Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to cemented pan Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to cemented pan Depth to bedrock | 1.00 1.00 |
| Arbone----- | 40 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 188: Springhollow, dry----- | 45 | Very limited Depth to cemented pan Depth to bedrock Slow water movement Slope | 1.00 1.00 0.50 0.01 | Very limited Depth to cemented pan Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to cemented pan Depth to bedrock Slope | 1.00 1.00 0.01 |
| Arbone, dry----- | 40 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 189: Sprollo----- | 55 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------|--|------------------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 189: Lonjon----- | 25 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| 190: Sprollow, dry----- | 55 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Lonjon----- | 25 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| 191: Sprollow----- | 35 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Lonjon----- | 30 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Mumford----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 1.00 |
| 192: Sprollow, dry----- | 35 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Lonjon----- | 30 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 1.00 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Gravel content Depth to bedrock Carbonate content | 1.00 1.00 1.00 1.00 |
| Mumford----- | 25 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep Gravel content Carbonate content | 1.00 1.00 1.00 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|----------------------|--|----------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 193: Sprollow----- | 40 | Very limited Depth to bedrock Slope Slow water movement | 1.00 0.96 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Carbonate content Slope | 1.00 1.00 1.00 0.96 |
| Wursten----- | 25 | Very limited Seepage, bottom layer Slope Slow water movement | 1.00 0.96 0.50 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Slope | 0.96 |
| Lonjon----- | 15 | Very limited Depth to bedrock Slope Slow water movement | 1.00 0.96 0.50 | Very limited Depth to hard bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Gravel content Depth to bedrock Carbonate content Slope | 1.00 1.00 1.00 0.96 |
| 194: Streek----- | 50 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.16 |
| Cleavage----- | 35 | Very limited Depth to bedrock Too steep | 1.00 1.00 | Very limited Depth to hard bedrock Slope | 1.00 1.00 | Very limited Depth to bedrock Too steep Too clayey Gravel content | 1.00 1.00 0.50 0.24 |
| 195: Streek, moist----- | 40 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.16 |
| Streek----- | 25 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.16 |
| Swanpeak----- | 25 | Very limited Slow water movement Slope Large stones | 1.00 0.16 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.16 |
| 196: Streek----- | 45 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.16 |
| Swanpeak----- | 35 | Very limited Slow water movement Slope Large stones | 1.00 0.16 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|--|--------------------------|---|------------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 197: | | | | | | | |
| Streek----- | 35 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Slope | 1.00 1.00 0.01 |
| Swanpeak----- | 35 | Very limited Slow water movement Large stones Slope | 1.00 0.02 0.01 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.01 |
| Sagollow----- | 25 | Very limited Slow water movement Depth to saturated zone Large stones | 1.00 1.00 0.18 | Very limited Depth to saturated zone Slope | 1.00 0.92 | Somewhat limited Large stones Depth to saturated zone Too clayey | 0.95 0.76 0.50 |
| 198: | | | | | | | |
| Suryon----- | 90 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 199: | | | | | | | |
| Swan Flat----- | 65 | Very limited Too steep Seepage, bottom layer Large stones | 1.00 1.00 0.01 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Seepage Large stones | 1.00 0.50 0.11 |
| Dranburn----- | 20 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 200: | | | | | | | |
| Swanpeak----- | 85 | Very limited Slow water movement Slope Large stones | 1.00 0.04 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.04 |
| 201: | | | | | | | |
| Swanpeak----- | 60 | Very limited Slow water movement Slope Large stones | 1.00 0.37 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.37 |
| Ant Flat----- | 25 | Very limited Slow water movement Slope | 1.00 0.37 | Very limited Slope | 1.00 | Somewhat limited Too clayey Slope Gravel content | 0.50 0.37 0.10 |
| 202: | | | | | | | |
| Swanpeak----- | 50 | Very limited Slow water movement Slope Large stones | 1.00 0.16 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Large stones Slope | 1.00 0.70 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|--------------------------|---------------------------------------|--------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 202: Cloudless----- | 30 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope | 1.00 | Somewhat limited Too clayey Slope | 0.50 0.16 |
| 203: Swanpeak----- | 70 | Very limited Slow water movement Too steep Large stones | 1.00 1.00 0.02 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Large stones | 1.00 1.00 0.70 |
| Dutchcanyon----- | 20 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep Carbonate content | 1.00 1.00 |
| 204: Swanpeak----- | 45 | Very limited Slow water movement Too steep Large stones | 1.00 1.00 0.02 | Very limited Slope | 1.00 | Very limited Too clayey Too steep Large stones | 1.00 1.00 0.70 |
| Dutchcanyon----- | 30 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Carbonate content Too steep | 1.00 1.00 |
| Ant Flat----- | 25 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep Too clayey Gravel content | 1.00 0.50 0.10 |
| 205: Thatcher----- | 85 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.01 |
| 206: Thatcher, dry----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slope | 0.68 | Not limited | |
| 207: Thatcher----- | 50 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too steep | 1.00 |
| Church Springs----- | 40 | Very limited Slow water movement Slope | 1.00 0.16 | Very limited Slope Seepage | 1.00 0.08 | Somewhat limited Slope | 0.16 |
| 208: Thatcher----- | 80 | Very limited Slow water movement Slope | 1.00 0.84 | Very limited Slope | 1.00 | Somewhat limited Slope | 0.84 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|---|--------------------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 208: Clegg----- | 20 | Very limited Slow water movement Slope | 1.00 0.84 | Very limited Slope Seepage | 1.00 0.27 | Somewhat limited Slope | 0.84 |
| 209: Thatcher----- | 60 | Very limited Slow water movement | 1.00 | Not limited | | Not limited | |
| Joes----- | 25 | Somewhat limited Slow water movement | 0.50 | Somewhat limited Seepage | 0.50 | Not limited | |
| 210: Thatcherflats----- | 75 | Very limited Slow water movement Depth to saturated zone | 1.00 0.73 | Somewhat limited Seepage Depth to saturated zone | 0.50 0.06 | Very limited Sodium content | 1.00 |
| 211: Thomasfork----- | 95 | Very limited Slow water movement Depth to saturated zone Flooding | 1.00 1.00 0.40 | Very limited Depth to saturated zone Seepage Flooding | 1.00 0.50 0.40 | Very limited Depth to saturated zone Too clayey Hard to compact | 1.00 1.00 1.00 |
| 212: Toponce----- | 50 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope | 1.00 | Very limited Too clayey Hard to compact Too steep | 1.00 1.00 1.00 |
| Bailcreek----- | 40 | Very limited Slow water movement Too steep Large stones | 1.00 1.00 0.92 | Very limited Slope Large stones Seepage | 1.00 1.00 0.50 | Very limited Too clayey Hard to compact Too steep Large stones | 1.00 1.00 1.00 0.92 |
| 213: Tubbs Hollow----- | 50 | Very limited Depth to bedrock Too steep Seepage, bottom layer Large stones | 1.00 1.00 1.00 0.97 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage | 1.00 1.00 0.97 0.50 |
| Dry Canyon, dry----- | 35 | Very limited Slow water movement Too steep Depth to bedrock | 1.00 1.00 0.63 | Very limited Slope Depth to soft bedrock | 1.00 0.18 | Very limited Too steep Too clayey Depth to bedrock | 1.00 0.50 0.18 |
| 214: Vicking----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Seepage Slope | 0.50 0.08 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|--|----------------------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 215: Vicking----- | 85 | Very limited Slow water movement Slope | 1.00 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 216: Vicking----- | 85 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 217: Vicking, dry----- | 85 | Very limited Slow water movement | 1.00 | Somewhat limited Slope Seepage | 0.92 0.50 | Not limited | |
| 218: Vicking, dry----- | 85 | Very limited Slow water movement Slope | 1.00 0.96 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.96 |
| 219: Vicking----- | 55 | Very limited Too steep Slow water movement | 1.00 1.00 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| Cokeville----- | 35 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 0.47 | Very limited Slope Depth to soft bedrock | 1.00 0.05 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.09 0.05 |
| 220: Vipont----- | 55 | Very limited Too steep Depth to bedrock Large stones | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock Large stones | 1.00 1.00 1.00 |
| Dipcreek----- | 30 | Very limited Depth to bedrock Too steep Large stones Seepage, bottom layer | 1.00 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Large stones Seepage | 1.00 1.00 1.00 0.50 |
| 221: Vipont----- | 50 | Very limited Too steep Depth to bedrock Large stones | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock Large stones | 1.00 1.00 1.00 |
| Prucree----- | 35 | Very limited Depth to bedrock Too steep Seepage, bottom layer | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Depth to soft bedrock Slope Seepage | 1.00 1.00 1.00 1.00 | Very limited Depth to bedrock Too steep Seepage | 1.00 1.00 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|----------------------------------|---------------------------|---|------------------------------|---|------------------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 222: Vipont----- | 55 | Very limited Too steep Depth to bedrock Large stones | 1.00 1.00 1.00 | Very limited Depth to hard bedrock Slope Large stones | 1.00 1.00 1.00 | Very limited Too steep Depth to bedrock Large stones | 1.00 1.00 1.00 |
| Suryon----- | 35 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |
| 223: Warshod----- | 45 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 0.91 0.50 | Very limited Slope Depth to soft bedrock Seepage | 1.00 0.77 0.50 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.95 0.77 |
| Slan----- | 35 | Very limited Too steep Slow water movement Depth to bedrock | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Too steep Depth to bedrock | 1.00 1.00 |
| 224: Warshod, dry----- | 55 | Very limited Too steep Depth to bedrock Slow water movement | 1.00 0.91 0.50 | Very limited Slope Depth to soft bedrock Seepage | 1.00 0.77 0.50 | Very limited Too steep Gravel content Depth to bedrock | 1.00 0.95 0.77 |
| Slan, dry----- | 35 | Very limited Slow water movement Depth to bedrock Too steep | 1.00 1.00 1.00 | Very limited Depth to soft bedrock Slope Seepage | 1.00 1.00 0.50 | Very limited Depth to bedrock Too steep | 1.00 1.00 |
| 225: Water----- | 100 | Not rated | | Not rated | | Not rated | |
| 226: Water, miscellaneous---- | 100 | Not rated | | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Somewhat limited Slow water movement Slope | 0.50 0.01 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.01 |
| 228: Wursten----- | 75 | Very limited Seepage, bottom layer Slow water movement | 1.00 0.50 | Very limited Seepage Slope | 1.00 0.08 | Not limited | |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|----------------------|---------------------------------------|--------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 229: Wursten----- | 80 | Very limited Seepage, bottom layer Slow water movement Slope | 1.00 0.50 0.16 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Slope | 0.16 |
| 230: Wursten----- | 80 | Very limited Too steep Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep | 1.00 |
| 231: Wursten, dry----- | 85 | Very limited Seepage, bottom layer Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Not limited | |
| 232: Wursten----- | 50 | Very limited Too steep Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep | 1.00 |
| Bearhollow----- | 30 | Very limited Slow water movement Too steep | 1.00 1.00 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep Too clayey | 1.00 0.50 |
| 233: Wursten----- | 55 | Very limited Seepage, bottom layer Slow water movement Slope | 1.00 0.50 0.04 | Very limited Slope Seepage | 1.00 1.00 | Somewhat limited Slope | 0.04 |
| Rexburg----- | 30 | Somewhat limited Slow water movement Slope | 0.50 0.04 | Very limited Slope Seepage | 1.00 0.50 | Somewhat limited Slope | 0.04 |
| 234: Wursten----- | 45 | Very limited Too steep Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep | 1.00 |
| Rexburg----- | 35 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Sanitary Facilities--Continued

| Map symbol and soil name | Pct. of map unit | Septic tank absorption fields | | Sewage lagoons | | Daily cover for landfill | |
|--------------------------------|---------------------------|---|------------------------------|---------------------------------------|------------------|---------------------------------------|----------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 235: Wursten, dry----- | 45 | Very limited Too steep Seepage, bottom layer Slow water movement | 1.00 1.00 0.50 | Very limited Slope Seepage | 1.00 1.00 | Very limited Too steep | 1.00 |
| Rexburg, dry----- | 35 | Very limited Too steep Slow water movement | 1.00 0.50 | Very limited Slope Seepage | 1.00 0.50 | Very limited Too steep | 1.00 |

Soil Survey of Bear Lake County Area, Idaho

Soil Features

(See "Soil Properties" for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|---------------------------|-----------------|-----------|-------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 1: Ant Flat----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 2: Ant Flat----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 3: Ant Flat----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 4: Arbone----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 5: Arbone----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 6: Arbone, dry-- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 7: Arbone----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 8: Arbone----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 9: Arbone, dry-- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Wursten, dry- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 10: Bailcreek---- | Abrupt textural change | 7-19 | — | Noncemented | 0 | 0 | Moderate | Moderate | Low |
| Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 11: Bailcreek---- | Abrupt textural change | 7-19 | — | Noncemented | 0 | 0 | Moderate | Moderate | Low |
| Toponce----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Moderate |
| 12: Bancroft----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 13: Bancroft----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 14: Bancroft----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 15: Bear Lake---- | — | — | — | — | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|----------------------------------|---|-----------------|-----------|-------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 15: Bear Lake, ponded----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 16: Bear Lake----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Chesbrook----- | --- | --- | --- | --- | 0 | 0 | High | High | High |
| La Roco----- | Strongly contrasting textural stratification | 40-60 | --- | Noncemented | 0 | 0 | High | High | Low |
| 17: Bear Lake----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Lago----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 18: Bearbou----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 19: Bearhollow--- | Abrupt textural change | 40-60 | --- | Noncemented | 0 | 0 | Moderate | Low | Moderate |
| Brifox----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | High |
| Iphil----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 20: Bearhollow--- | Abrupt textural change | 40-60 | --- | Noncemented | 0 | 0 | Moderate | Low | Moderate |
| Brifox----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | High |
| Iphil----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 21: Benning----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 22: Bern----- | --- | --- | --- | --- | 0 | 0 | High | High | Moderate |
| 23: Bezzant----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 24: Bezzant----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Swanpeak----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 25: Bischoff----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Hagenbarth--- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 26: Bloomington-- | --- | --- | --- | --- | 0 | 0 | High | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 27: Boundridge---- | Duripan | 10-16 | 4-10 | Strongly cemented | 0 | 0 | Moderate | Moderate | Low |
| Sweetcreek---- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 28: Boyd hollow---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Slan----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Cokeville---- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 29: Brifox----- | — | — | — | — | 0 | 0 | Moderate | Moderate | High |
| Lizdale----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 30: Brifox----- | — | — | — | — | 0 | 0 | Moderate | Moderate | High |
| Niter----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 31: Brifox----- | — | — | — | — | 0 | 0 | Moderate | Moderate | High |
| Niter----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 32: Broadhead---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 33: Broadhead---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 34: Broadhead---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Hades----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Swanpeak---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 35: Buist----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 36: Buist----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 37: Buist, dry---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 38: Buist----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 39: Buist----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Arbone----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|---------------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 40: Burchert----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Whitetop----- | Paralithic bedrock | 10-20 | — | Moderately cemented | 0 | 0 | High | High | Moderate |
| 41: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 42: Cedarhill, dry----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 43: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Bearhollow---- | Abrupt textural change | 40-60 | — | Noncemented | 0 | 0 | Moderate | Low | Moderate |
| 44: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Buist----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 45: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Burchert----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 46: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Clegg----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 47: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Clegg----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Drage----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 48: Cedarhill, dry----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Pinehollow, dry----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Moderate |
| 49: Cedarhill----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 50: Chesbrook---- | — | — | — | — | 0 | 0 | High | High | High |
| Bear Lake---- | — | — | — | — | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 51: Chinhill----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 52: Chokecherry-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dranyon----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 53: Chokecherry-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Slights----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Sheep Creek-- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 54: Chokecherry-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Tubbs Hollow- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Moderate |
| Sheep Creek, dry----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 55: Church Springs, dry | — | — | — | — | 0 | 0 | High | Low | Low |
| Monida, dry-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 56: Cleavage----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| 57: Clegg----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 58: Clegg----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 59: Clegg----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Grecan----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 60: Cooley, dry-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Beehunt, dry- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 61: Crossley----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| 62: Crossley----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Whitetop----- | Paralithic bedrock | 10-20 | — | Moderately cemented | 0 | 0 | High | High | Moderate |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 62: Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| 63: Cupine----- | Lithic bedrock | 20-35 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dunford----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 64: Cupine, dry-- | Lithic bedrock | 20-35 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Falula, dry-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 65: Dennot, dry-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Thatcher, dry | — | — | — | — | 0 | 0 | High | Low | Low |
| 66: Dingle----- | — | — | — | — | 8-15 | 25-30 | High | Moderate | Low |
| 67: Dinswamp----- | — | — | — | — | 0 | 0 | High | Moderate | High |
| 68: Dipcreek----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cutoff----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Sheep Creek-- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 69: Dipcreek----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| 70: Dirtyhead---- | Paralithic bedrock | 25-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Cedarhill---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 71: Dirtyhead---- | Paralithic bedrock | 25-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Mumford----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 72: Dollarhide---- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 73: Dollarhide---- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Grunder----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Moderate |
| 74: Drage----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 74: Causey----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Lilcan----- | Lithic bedrock | 10-20 | — | Indurated | — | — | Moderate | Moderate | Low |
| 75: Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Hoopgobel---- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Ledgehollow-- | Paralithic bedrock | 10-20 | — | Moderately cemented | 0 | 0 | High | Moderate | Low |
| 76: Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Pavohroo----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 77: Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Pontuge----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 78: Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Poulridge---- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Moderate |
| 79: Dranyon----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 80: Dry Canyon, dry----- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Moderate |
| 81: Dry Canyon, dry----- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Moderate |
| Cutoff----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 82: Dumps, mine. | | | | | | | | | |
| 83: Dutchcanyon-- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 84: Dutchcanyon-- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Frenchollow-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 85: Every----- | Paralithic bedrock | 40-60 | — | Moderately cemented | — | — | Moderate | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 85: Preuss----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 86: Every----- | Paralithic bedrock | 40-60 | — | Moderately cemented | — | — | Moderate | Moderate | Low |
| Preuss----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 87: Fishaven----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Low | Low |
| Dutchcanyon-- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 88: Frenchollow-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 89: Frenchollow-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 90: Fury----- | — | — | — | — | 0 | 0 | High | High | Low |
| 91: Georgecanyon- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 92: Hades----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 93: Hades----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 94: Hades----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 95: Hades----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Horrocks----- | Lithic bedrock | 40-60 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 96: Hagenbarth--- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Clegg----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 97: Hagenbarth--- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 98: Hagenbarth--- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Horrocks----- | Lithic bedrock | 40-60 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 99: Hagenbarth--- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Zeebar----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 99: Dranburn----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 100: Hoopgobel---- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Cadero----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | High | High | Moderate |
| 101: Hoopgobel---- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Slights----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 102: Horrocks----- | Lithic bedrock | 40-60 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cedarhill---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 103: Horrocks----- | Lithic bedrock | 40-60 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cleavage----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 104: Horrocks----- | Lithic bedrock | 40-60 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cleavage----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 105: Hutchley----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Moderate |
| Cupine----- | Lithic bedrock | 20-35 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Vitale----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 106: Iphil----- | — | — | — | — | 0 | 0 | High | High | Low |
| 107: Iphil----- | — | — | — | — | 0 | 0 | High | High | Low |
| 108: Iphil----- | — | — | — | — | 0 | 0 | High | High | Low |
| 109: Iphil----- | — | — | — | — | 0 | 0 | High | High | Low |
| Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| Watercanyon-- | — | — | — | — | 0 | 0 | High | High | Low |
| 110: Iphil----- | — | — | — | — | 0 | 0 | High | High | Low |
| Watercanyon-- | — | — | — | — | 0 | 0 | High | High | Low |
| 111: Iphil, dry--- | — | — | — | — | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|----------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 111: Watercanyon, dry----- | — | — | — | — | 0 | 0 | High | High | Low |
| 112: Ireland----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Falula----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Vicking----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 113: Jacanyon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cleavage----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 114: Jebo, dry---- | Lithic bedrock | 25-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cokeville, dry----- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Dennot, dry-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 115: Jebo----- | Lithic bedrock | 25-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cupine----- | Lithic bedrock | 20-35 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 116: Jebo, dry---- | Lithic bedrock | 25-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Cupine, dry-- | Lithic bedrock | 20-35 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 117: Jebo----- | Lithic bedrock | 25-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dipcreek----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 118: Jebo, dry---- | Lithic bedrock | 25-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dipcreek, dry | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 119: Joes----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 120: Joes----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 121: Kucera----- | — | — | — | — | 0 | 0 | High | High | Low |
| 122: Kucera----- | — | — | — | — | 0 | 0 | High | High | Low |
| Chausse----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Rexburg----- | — | — | — | — | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|---------------------------------|---|-----------------|-----------|-------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 123: La Roco----- | Strongly contrasting textural stratification | 40-60 | — | Noncemented | 0 | 0 | High | High | Low |
| 124: La Roco, saline----- | Strongly contrasting textural stratification | 40-60 | — | Noncemented | 0 | 0 | High | High | Moderate |
| 125: Lag----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Dollarhide--- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| 126: Lag----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Dranyon----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 127: Lago----- | — | — | — | — | 0 | 0 | High | High | Low |
| 128: Lago----- | — | — | — | — | 0 | 0 | High | High | Low |
| Bear Lake---- | — | — | — | — | 0 | 0 | High | High | Low |
| 129: Lago----- | — | — | — | — | 0 | 0 | High | High | Low |
| Merkley----- | — | — | — | — | 0 | 0 | High | High | Moderate |
| 130: Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 131: Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 132: Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 133: Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| 134: Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| Arbone----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 135: Lanoak----- | — | — | — | — | 0 | 0 | High | Low | Low |
| Rexburg----- | — | — | — | — | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 136: | | | | | | | | | |
| Leftfork----- | Paralithic bedrock | 40-57 | — | Moderately cemented | 0 | 0 | High | Moderate | Low |
| | Lithic bedrock | 43-60 | — | Indurated | | | | | |
| Cleavage----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 137: | | | | | | | | | |
| Lilcan----- | Lithic bedrock | 10-20 | — | Indurated | — | — | Moderate | Moderate | Low |
| Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| Jacanyon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 138: | | | | | | | | | |
| Lilcan----- | Lithic bedrock | 10-20 | — | Indurated | — | — | Moderate | Moderate | Low |
| Watkins Ridge, dry-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Jacanyon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 139: | | | | | | | | | |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Kucera----- | — | — | — | — | 0 | 0 | High | High | Low |
| Sprollo----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 140: | | | | | | | | | |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Kucera, dry-- | — | — | — | — | 0 | 0 | High | High | Low |
| Sprollo, dry | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 141: | | | | | | | | | |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Monida----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Chokecherry-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 142: | | | | | | | | | |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Mumford----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Rock outcrop- | Lithic bedrock | 0-0 | — | Indurated | — | — | — | — | — |
| 143: | | | | | | | | | |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Sheep Creek-- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dipcreek----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 144: | | | | | | | | | |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|---|-----------------|-----------|-------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 144: Sprollo-- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Mumford-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 145: Marshdale-- | Strongly contrasting textural stratification | 40-60 | — | Noncemented | 0 | 0 | High | High | Moderate |
| Bloomcreek-- | Strongly contrasting textural stratification | 20-40 | — | Noncemented | 0 | 0 | Moderate | Moderate | Moderate |
| 146: Merkley-- | — | — | — | — | 0 | 0 | High | High | Moderate |
| 147: Millerditch-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Cookcan-- | Abrupt textural change | 3-13 | — | Noncemented | 0 | 0 | High | High | Low |
| 148: Mumford-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 149: Mumford-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Sprollo-- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 150: Mumford-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Sprollo, dry | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 151: Mumford-- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Sprollo, dry | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 152: Nielsen-- | Lithic bedrock | 14-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dranburn-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Hagenbarth-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 153: North Beach-- | — | — | — | — | 0 | 0 | Low | Low | Low |
| 154: Nuffer-- | — | — | — | — | 0 | 0 | High | High | Low |
| Blackotter-- | Strongly contrasting textural stratification | 31-37 | — | Noncemented | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-----------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 155: Nythar----- | — | — | — | — | 0 | 0 | High | High | Low |
| Sagollow----- | — | — | — | — | 0 | 0 | Moderate | High | Low |
| 156: Ovidcreek---- | Natric | 2-13 | — | Noncemented | 0 | 0 | High | High | Low |
| 157: Parding----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Firading----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Hagenbarth---- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 158: Parding, dry- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Firading, dry | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Hagenbarth, dry----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 159: Pegram----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 160: Pinegap----- | Lithic bedrock | 40-60 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 161: Pinehollow--- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Moderate |
| Ant Flat----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Sheep Creek-- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 162: Pits, gravel. | | | | | | | | | |
| 163: Pontuge----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Cokeville---- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 164: Preussrange-- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Halfcircle--- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | High | Low | Low |
| 165: Prucree----- | Paralithic bedrock | 20-35 | — | Weakly cemented | 0 | 0 | Moderate | Low | Low |
| | Lithic bedrock | 21-40 | — | Indurated | | | | | |
| Dipcreek----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|---|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 166: Raynal----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 167: Raynal----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Lago----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 168: Ream----- | Strongly contrasting textural stratification | 26-40 | --- | Noncemented | 0 | 0 | Moderate | Moderate | Moderate |
| Merkley----- | --- | --- | --- | --- | 0 | 0 | High | High | Moderate |
| 169: Redpine----- | Paralithic bedrock | 20-40 | --- | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Draney----- | Paralithic bedrock | 10-20 | --- | Moderately cemented | 0 | 0 | High | Moderate | Low |
| Brushtop----- | Paralithic bedrock | 40-60 | --- | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 170: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 171: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Iphil----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 172: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Iphil----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 173: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Kucera----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 174: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Kucera----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 175: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Kucera----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 176: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Ririe----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 177: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|----------------------------------|---|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 177: Ririe----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 178: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Ririe----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 179: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Watercanyon-- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 180: Rexburg----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Wursten----- | --- | --- | --- | --- | 0 | 0 | Moderate | Low | Low |
| 181: Richollow---- | Lithic bedrock | 10-20 | --- | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dranburn----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 182: Richollow---- | Lithic bedrock | 10-20 | --- | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Ledgehollow-- | Paralithic bedrock | 10-20 | --- | Moderately cemented | 0 | 0 | High | Moderate | Low |
| 183: Ririe----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Iphil----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| 184: Sadducee----- | --- | --- | --- | --- | 0 | 0 | High | High | Low |
| Bearbeach---- | Strongly contrasting textural stratification | 6-33 | --- | Noncemented | 0 | 0 | Moderate | Low | Low |
| 185: Sheep Creek, dry----- | Lithic bedrock | 20-40 | --- | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Taylow, dry-- | Lithic bedrock | 10-20 | --- | Indurated | 0 | 0 | High | Moderate | Moderate |
| Dry Canyon, dry----- | Paralithic bedrock | 40-60 | --- | Moderately cemented | 0 | 0 | Moderate | Moderate | Moderate |
| 186: Slights----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Dranburn----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 187: Springhollow-- | Duripan | 20-40 | --- | Indurated | 0 | 0 | Moderate | Low | Low |
| Arbone----- | --- | --- | --- | --- | 0 | 0 | Moderate | Low | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|-----------------------------------|-------------------|-----------------|-----------|-----------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 188: Springhollow, dry----- | Duripan | 20-40 | — | Indurated | 0 | 0 | Moderate | Low | Low |
| Arbone, dry-- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 189: Sprollo----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 190: Sprollo, dry | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 191: Sprollo----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Mumford----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 192: Sprollo, dry | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Mumford----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 193: Sprollo----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Lonjon----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 194: Streek----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Cleavage----- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 195: Streek, moist | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Streek----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Swanpeak----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 196: Streek----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Swanpeak----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 197: Streek----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Swanpeak----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Sagollo----- | — | — | — | — | 0 | 0 | Moderate | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|-------------------|-----------------|-----------|-------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 198: Suryon----- | --- | --- | --- | --- | 0 | 0 | Moderate | Low | Low |
| 199: Swan Flat---- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Drainburn---- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 200: Swanpeak----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 201: Swanpeak----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Ant Flat----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 202: Swanpeak----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Cloudless---- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 203: Swanpeak----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Dutchcanyon-- | --- | --- | --- | --- | 0 | 0 | Moderate | Low | Low |
| 204: Swanpeak----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| Dutchcanyon-- | --- | --- | --- | --- | 0 | 0 | Moderate | Low | Low |
| Ant Flat----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 205: Thatcher----- | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| 206: Thatcher, dry | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| 207: Thatcher----- | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| Church Springs----- | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| 208: Thatcher----- | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| Clegg----- | --- | --- | --- | --- | 0 | 0 | Moderate | Moderate | Low |
| 209: Thatcher----- | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| Joes----- | --- | --- | --- | --- | 0 | 0 | High | Low | Low |
| 210: Thatcherflats- | Natric | 2-7 | --- | Noncemented | 0 | 0 | High | High | Moderate |
| 211: Thomasfork---- | --- | --- | --- | --- | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|--------------------------------|---------------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 212: Toponce----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Moderate |
| Bailcreek---- | Abrupt textural change | 7-19 | — | Noncemented | 0 | 0 | Moderate | Moderate | Low |
| 213: Tubbs Hollow- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Moderate |
| Dry Canyon, dry----- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Moderate |
| 214: Vicking----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 215: Vicking----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 216: Vicking----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 217: Vicking, dry- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 218: Vicking, dry- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 219: Vicking----- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| Cokeville---- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 220: Vipont----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Dipcreek---- | Lithic bedrock | 10-20 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| 221: Vipont----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Prucree----- | Paralithic bedrock | 20-35 | — | Weakly cemented | 0 | 0 | Moderate | Low | Low |
| | Lithic bedrock | 21-40 | — | Indurated | | | | | |
| 222: Vipont----- | Lithic bedrock | 20-40 | — | Indurated | 0 | 0 | Moderate | Moderate | Low |
| Suryon----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 223: Warshod----- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Slan----- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |

Soil Survey of Bear Lake County Area, Idaho

Soil Features--Continued

| Map symbol and soil name | Restrictive layer | | | | Subsidence | | Potential for frost action | Risk of corrosion | |
|---------------------------------|---------------------------|-----------------|-----------|------------------------|------------|-------|----------------------------------|-------------------|----------|
| | Kind | Depth to top | Thickness | Hardness | Initial | Total | | Uncoated steel | Concrete |
| | | In | In | | In | In | | | |
| 224: Warshod, dry- | Paralithic bedrock | 40-60 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| Slan, dry---- | Paralithic bedrock | 20-40 | — | Moderately cemented | 0 | 0 | Moderate | Moderate | Low |
| 225: Water. | | | | | | | | | |
| 226: Water, miscellaneous | | | | | | | | | |
| 227: Watkins Ridge, dry-- | — | — | — | — | 0 | 0 | Moderate | Moderate | Low |
| 228: Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 229: Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 230: Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 231: Wursten, dry- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| 232: Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Bearhollow---- | Abrupt textural change | 40-60 | — | Noncemented | 0 | 0 | Moderate | Low | Moderate |
| 233: Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Rexburg----- | — | — | — | — | 0 | 0 | High | High | Low |
| 234: Wursten----- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Rexburg----- | — | — | — | — | 0 | 0 | High | High | Low |
| 235: Wursten, dry- | — | — | — | — | 0 | 0 | Moderate | Low | Low |
| Rexburg, dry- | — | — | — | — | 0 | 0 | High | High | Low |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil

(The following criteria are used for determining the rating class (good, fair, poor). A rating of good source for gravel and sand requires a value greater than or equal to 0.75 for either the thickest or bottom layer. A rating of fair source for gravel and sand requires a value greater than or equal to 0.08 and less than 0.75 for either the thickest or bottom layer. A rating of poor source for gravel and sand requires a value of less than 0.08 for both the thickest and bottom layers. A rating of good source for topsoil requires a value greater than 0.99 for all limiting features. A rating of fair source for topsoil requires all limiting features to have a value greater than 0.00. A rating of poor source for topsoil is assigned if any limiting feature has a value of 0.00. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|--------------|--|--------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Rock fragments Hard to reclaim (rock fragments) | 0.00 0.00 0.74 |
| 2: Ant Flat----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Rock fragments Hard to reclaim (rock fragments) | 0.00 0.00 0.74 |
| 3: Ant Flat----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments Hard to reclaim (rock fragments) | 0.00 0.00 0.00 0.74 |
| 4: Arbone----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |
| 5: Arbone----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |
| 6: Arbone, dry----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) | 0.00 0.68 |
| 7: Arbone----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |
| Wursten----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.32 0.88 0.95 |
| 8: Arbone----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 8: Wursten----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.32 0.88 0.95 |
| 9: Arbone, dry----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |
| Wursten, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.32 0.88 0.95 |
| 10: Bailcreek----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 0.00 |
| Dranburn----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| 11: Bailcreek----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 0.37 |
| Toponce----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.37 |
| 12: Bancroft----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 13: Bancroft----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 14: Bancroft----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| 15: Bear Lake----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Wetness depth Carbonate content | 0.00 0.53 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|--|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 15: Bear Lake, ponded----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.53 |
| 16: Bear Lake----- | 40 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.53 |
| Chesbrook----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| La Roco----- | 15 | Fair Thickest layer Bottom layer | Fair Thickest layer Bottom layer | Poor Carbonate content Too clayey Wetness depth |
| | | 0.00 0.55 | 0.00 0.08 | 0.00 0.18 0.89 |
| 17: Bear Lake----- | 50 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.53 |
| Lago----- | 35 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Fair Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.24 0.37 |
| 18: Bearbou----- | 85 | Fair Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Wetness depth Hard to reclaim (rock fragments) Too clayey |
| | | 0.00 0.25 | 0.00 0.00 | 0.00 0.00 0.06 |
| 19: Bearhollow----- | 30 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Rock fragments Carbonate content Sodium content |
| | | 0.00 0.00 | 0.00 0.02 | 0.76 0.80 0.98 |
| Brifox----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Too clayey Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.96 |
| Iphil----- | 20 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.92 |
| 20: Bearhollow----- | 30 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Carbonate content Sodium content |
| | | 0.00 0.00 | 0.00 0.02 | 0.00 0.76 0.80 0.98 |
| Brifox----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Too clayey Slope Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 20: Iphil----- | 20 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Carbonate content | 0.92 |
| 21: Benning----- | 90 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Hard to reclaim | 0.00 |
| | | Bottom layer | 0.34 | Thickest layer | 0.00 | (rock fragments) | |
| 22: Bern----- | 90 | Poor | | Poor | | Fair | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Sodium content | 0.40 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Carbonate content | 0.97 |
| | | | | | | Wetness depth | 0.99 |
| 23: Bezzant----- | 75 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.25 | Bottom layer | 0.00 | Hard to reclaim | 0.00 |
| | | Bottom layer | 0.28 | Thickest layer | 0.00 | (rock fragments) | |
| | | | | | | Rock fragments | 0.00 |
| | | | | | | Slope | 0.63 |
| | | | | | | Carbonate content | 0.88 |
| 24: Bezzant----- | 45 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.25 | Bottom layer | 0.00 | Hard to reclaim | 0.00 |
| | | Bottom layer | 0.28 | Thickest layer | 0.00 | (rock fragments) | |
| | | | | | | Rock fragments | 0.00 |
| | | | | | | Slope | 0.00 |
| | | | | | | Carbonate content | 0.88 |
| Swanpeak----- | 45 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Hard to reclaim | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | (rock fragments) | |
| | | | | | | Rock fragments | 0.00 |
| | | | | | | Too clayey | 0.00 |
| 25: Bischoff----- | 55 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Too clayey | 0.27 |
| Hagenbarth----- | 40 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | | |
| 26: Bloomington----- | 80 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Wetness depth | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | | |
| 27: Boundridge----- | 75 | Poor | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Bottom layer | 0.06 | Thickest layer | 0.00 | Depth to bedrock | 0.00 |
| | | | | | | Depth to cemented | 0.00 |
| | | | | | | pan | |
| | | | | | | Slope | 0.96 |
| Sweetcreek----- | 20 | Poor | | Poor | | Fair | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.96 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Depth to bedrock | 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 28: Boyd hollow----- | 35 | Fair Thickest layer Bottom layer | 0.37 0.50 | Poor Thickest layer Bottom layer | 0.04 0.07 | Poor Slope Hard to reclaim (rock fragments) Rock fragments | 0.00 0.00 0.00 |
| Slan----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.08 0.71 |
| Cokeville----- | 15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content | 0.00 0.00 0.84 |
| 29: Brifox----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Carbonate content | 0.00 0.96 |
| Lizdale----- | 20 | Fair Thickest layer Bottom layer | 0.18 0.28 | Fair Thickest layer Bottom layer | 0.04 0.10 | Poor Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.00 0.02 |
| 30: Brifox----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Carbonate content | 0.00 0.96 |
| Niter----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Too clayey Carbonate content | 0.01 0.94 |
| 31: Brifox----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope Carbonate content | 0.00 0.00 0.96 |
| Niter----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Carbonate content | 0.00 0.01 0.94 |
| 32: Broadhead----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey | 0.00 |
| 33: Broadhead----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey | 0.00 |
| 34: Broadhead----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|--|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 34: Hades----- | 40 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Hard to reclaim (rock fragments) Rock fragments |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.88 0.99 |
| Swanpeak----- | 20 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| 35: Buist----- | 85 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Poor Rock fragments Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 36: Buist----- | 90 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Poor Rock fragments Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 37: Buist, dry----- | 90 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Poor Rock fragments Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 38: Buist----- | 90 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Poor Rock fragments Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 39: Buist----- | 65 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Poor Rock fragments Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| Arbone----- | 30 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.68 |
| 40: Burchert----- | 60 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Depth to bedrock Rock fragments |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.54 0.88 |
| Whitetop----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|------------------|--|------------------|---|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 41: Cedarhill----- | 90 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.16 0.98 |
| 42: Cedarhill, dry----- | 80 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| 43: Cedarhill----- | 50 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.16 0.98 |
| Bearhollow----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.02 | Fair Slope Rock fragments Carbonate content Sodium content | 0.16 0.76 0.80 0.98 |
| 44: Cedarhill----- | 50 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| Buist----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Rock fragments Hard to reclaim (rock fragments) Slope | 0.00 0.00 0.00 |
| 45: Cedarhill----- | 60 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| Burchert----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.54 0.88 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 46: Cedarhill----- | 60 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.16 0.98 |
| Clegg----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Hard to reclaim (rock fragments) Too clayey | 0.16 0.68 0.86 |
| 47: Cedarhill----- | 45 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| Clegg----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Too clayey | 0.00 0.68 0.86 |
| Drage----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 |
| 48: Cedarhill, dry----- | 50 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| Pinehollow, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Depth to bedrock | 0.00 0.00 0.21 |
| 49: Cedarhill----- | 50 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| Wursten----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.32 0.88 0.95 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 50: | | | | | | | |
| Chesbrook----- | 65 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Wetness depth | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Carbonate content | 0.00 |
| Bear Lake----- | 20 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Wetness depth | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Carbonate content | 0.53 |
| 51: | | | | | | | |
| Chinhill----- | 80 | Poor | | Poor | | Fair | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.68 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Carbonate content | 0.83 |
| 52: | | | | | | | |
| Chokecherry----- | 65 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Depth to bedrock | 0.00 |
| Dranyon----- | 20 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Hard to reclaim (rock fragments) | 0.00 |
| | | | | | | Too clayey | 0.57 |
| 53: | | | | | | | |
| Chokecherry----- | 45 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Depth to bedrock | 0.00 |
| | | | | | | Slope | 0.00 |
| Slights----- | 25 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Too clayey | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Rock fragments | 0.68 |
| Sheep Creek----- | 20 | Poor | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Bottom layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.99 |
| 54: | | | | | | | |
| Chokecherry----- | 30 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Depth to bedrock | 0.00 |
| | | | | | | Slope | 0.00 |
| Tubbs Hollow----- | 30 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.16 |
| Sheep Creek, dry----- | 25 | Poor | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Bottom layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 55: Church Springs, dry---- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Too clayey Carbonate content | 0.16 0.66 0.96 |
| Monida, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Hard to reclaim (rock fragments) Carbonate content | 0.00 0.16 0.32 0.99 |
| 56: Cleavage----- | 70 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 57: Clegg----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) Too clayey | 0.68 0.86 |
| 58: Clegg----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Hard to reclaim (rock fragments) Too clayey | 0.37 0.68 0.86 |
| 59: Clegg----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Hard to reclaim (rock fragments) Too clayey | 0.04 0.68 0.86 |
| Grecan----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Too clayey | 0.04 0.47 |
| 60: Cooley, dry----- | 40 | Fair Bottom layer Thickest layer | 0.29 0.30 | Poor Bottom layer Thickest layer | 0.03 0.03 | Poor Slope Hard to reclaim (rock fragments) Rock fragments | 0.00 0.00 0.00 |
| Beehunt, dry----- | 30 | Fair Bottom layer Thickest layer | 0.00 0.09 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Rock fragments | 0.00 0.00 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 61: Crossley----- | 70 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope Carbonate content | 0.00 0.00 0.00 0.45 |
| Rock outcrop----- | 25 | Not rated | | Not rated | | Not rated | |
| 62: Crossley----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope Carbonate content | 0.00 0.00 0.00 0.45 |
| Whitetop----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Depth to bedrock Slope | 0.00 0.00 |
| Rock outcrop----- | 10 | Not rated | | Not rated | | Not rated | |
| 63: Cupine----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.05 0.18 |
| Dunford----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.04 0.29 |
| 64: Cupine, dry----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.05 0.18 |
| Falula, dry----- | 30 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 65: Dennot, dry----- | 50 | Fair Thickest layer Bottom layer | 0.37 0.68 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.63 0.98 |
| Thatcher, dry----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope | 0.63 |
| 66: Dingle----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Wetness depth | 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|---|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 67: Dinswamp----- | 75 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.08 |
| 68: Dipcreek----- | 35 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Rock fragments Depth to bedrock Slope |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.00 |
| Cutoff----- | 30 | Poor Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Rock fragments Slope Depth to bedrock Carbonate content |
| | | 0.05 0.05 | 0.00 0.00 | 0.00 0.00 0.05 0.99 |
| Sheep Creek----- | 20 | Poor Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Rock fragments Slope Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.99 |
| 69: Dipcreek----- | 60 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Rock fragments Depth to bedrock Slope |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.00 |
| Rock outcrop----- | 40 | Not rated | Not rated | Not rated |
| 70: Dirtyhead----- | 50 | Poor Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Rock fragments Slope Depth to bedrock Carbonate content |
| | | 0.00 0.05 | 0.00 0.00 | 0.00 0.00 0.71 0.82 |
| Cedarhill----- | 30 | Fair Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content |
| | | 0.00 0.11 | 0.00 0.00 | 0.00 0.00 0.00 0.98 |
| 71: Dirtyhead----- | 35 | Poor Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Rock fragments Slope Depth to bedrock Carbonate content |
| | | 0.00 0.05 | 0.00 0.00 | 0.00 0.00 0.71 0.82 |
| Mumford----- | 30 | Fair Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Rock fragments Depth to bedrock Carbonate content Slope |
| | | 0.00 0.51 | 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| Dranburn----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Too clayey Rock fragments |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.65 0.68 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|----------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 72: Dollarhide----- | 90 | Fair Thickest layer Bottom layer | 0.00 0.30 | Poor Thickest layer Bottom layer | 0.00 0.03 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 73: Dollarhide----- | 60 | Fair Thickest layer Bottom layer | 0.00 0.30 | Poor Thickest layer Bottom layer | 0.00 0.03 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.00 0.00 |
| Grunder----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock | 0.00 0.21 |
| 74: Drage----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 |
| Causey----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments No carbonate limitation | 0.00 0.12 0.99 |
| Lilcan----- | 25 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope Carbonate content | 0.00 0.00 0.00 0.88 |
| 75: Dranburn----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| Hoopgobel----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.12 0.35 |
| Ledgehollow----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Depth to bedrock Slope Rock fragments | 0.00 0.00 0.12 |
| 76: Dranburn----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| Pavohroo----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Hard to reclaim (rock fragments) | 0.00 0.04 0.74 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 77: | | | | |
| Dranburn----- | 60 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Slope |
| | | Thickest layer | Thickest layer | Too clayey |
| | | | | Rock fragments |
| Pontuge----- | 30 | Fair | Fair | Poor |
| | | Thickest layer | Thickest layer | Hard to reclaim |
| | | Bottom layer | Bottom layer | (rock fragments) |
| | | | | Rock fragments |
| | | | | Slope |
| 78: | | | | |
| Dranburn----- | 60 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Slope |
| | | Thickest layer | Thickest layer | Too clayey |
| | | | | Rock fragments |
| Poulridge----- | 40 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Slope |
| | | Thickest layer | Thickest layer | Depth to bedrock |
| 79: | | | | |
| Dranyon----- | 75 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Rock fragments |
| | | Thickest layer | Thickest layer | Hard to reclaim |
| | | | | (rock fragments) |
| | | | | Slope |
| | | | | Too clayey |
| 80: | | | | |
| Dry Canyon, dry----- | 85 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Rock fragments |
| | | Thickest layer | Thickest layer | Slope |
| 81: | | | | |
| Dry Canyon, dry----- | 55 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Rock fragments |
| | | Thickest layer | Thickest layer | Slope |
| Cutoff----- | 30 | Poor | Poor | Poor |
| | | Thickest layer | Bottom layer | Rock fragments |
| | | Bottom layer | Thickest layer | Slope |
| | | | | Depth to bedrock |
| | | | | Carbonate content |
| 82: | | | | |
| Dumps, mine----- | 100 | Not rated | Not rated | Not rated |
| 83: | | | | |
| Dutchcanyon----- | 85 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Carbonate content |
| | | Thickest layer | Thickest layer | |
| 84: | | | | |
| Dutchcanyon----- | 45 | Poor | Poor | Poor |
| | | Bottom layer | Bottom layer | Carbonate content |
| | | Thickest layer | Thickest layer | Slope |
| Frenchollow----- | 35 | Poor | Poor | Fair |
| | | Bottom layer | Bottom layer | Slope |
| | | Thickest layer | Thickest layer | Too clayey |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|------------------|--|------------------|---|----------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 85: Everyy----- | 50 | Fair Bottom layer Thickest layer | 0.15 0.15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.10 |
| Preuss----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.32 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.02 0.03 |
| 86: Everyy----- | 55 | Fair Bottom layer Thickest layer | 0.15 0.15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.00 0.00 0.10 |
| Preuss----- | 30 | Fair Thickest layer Bottom layer | 0.00 0.32 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.02 0.03 |
| 87: Fishaven----- | 70 | Poor Thickest layer Bottom layer | 0.00 0.03 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Carbonate content Slope Depth to bedrock Rock fragments | 0.00 0.04 0.29 0.50 |
| Dutchcanyon----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Carbonate content Slope | 0.00 0.04 |
| 88: Frenchollow----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Too clayey | 0.88 |
| 89: Frenchollow----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Too clayey | 0.37 0.88 |
| 90: Fury----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Wetness depth | 0.00 |
| 91: Georgecanyon----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.00 0.91 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|--------------|--|--------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 92: Hades----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) Rock fragments | 0.88 0.99 |
| 93: Hades----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) Rock fragments | 0.88 0.99 |
| 94: Hades----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Rock fragments | 0.00 0.88 0.99 |
| 95: Hades----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Rock fragments | 0.00 0.88 0.99 |
| Horrocks----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Hard to reclaim (rock fragments) Slope | 0.00 0.00 0.00 |
| 96: Hagenbarth----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Clegg----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Too clayey | 0.00 0.68 0.86 |
| 97: Hagenbarth----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Dranburn----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| 98: Hagenbarth----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Horrocks----- | 30 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Hard to reclaim (rock fragments) | 0.00 0.00 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 99: Hagenbarth----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Zeebar----- | 35 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 |
| Dranburn----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| 100: Hoopgobel----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.12 0.35 |
| Cadero----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Slope Depth to bedrock | 0.00 0.16 |
| 101: Hoopgobel----- | 65 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.12 0.35 |
| Slights----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.00 0.68 |
| 102: Horrocks----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Hard to reclaim (rock fragments) | 0.00 0.00 0.00 |
| Cedarhill----- | 30 | Fair Thickest layer Bottom layer | 0.00 0.11 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content | 0.00 0.00 0.00 0.98 |
| 103: Horrocks----- | 60 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Hard to reclaim (rock fragments) Slope | 0.00 0.00 0.96 |
| Cleavage----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.96 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 104: Horrocks----- | 60 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Hard to reclaim (rock fragments) | 0.00 0.00 0.00 |
| Cleavage----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 105: Hutchley----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| Cupine----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.05 0.18 |
| Vitale----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Depth to bedrock | 0.00 0.00 0.54 |
| 106: Iphil----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.92 |
| 107: Iphil----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content Slope | 0.92 0.96 |
| 108: Iphil----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Carbonate content | 0.04 0.92 |
| 109: Iphil----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Carbonate content | 0.00 0.92 |
| Lanoak----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Watercanyon----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Carbonate content | 0.00 0.88 |
| 110: Iphil----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Carbonate content | 0.63 0.92 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 110: Watercanyon----- | 30 | Poor | | Poor | | Fair | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.63 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Carbonate content | 0.88 |
| 111: Iphil, dry----- | 50 | Poor | | Poor | | Fair | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Carbonate content | 0.92 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | | |
| Watercanyon, dry----- | 30 | Poor | | Poor | | Fair | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Carbonate content | 0.88 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | | |
| 112: Ireland----- | 45 | Poor | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Depth to bedrock | 0.10 |
| Falula----- | 35 | Poor | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Depth to bedrock | 0.00 |
| Vicking----- | 15 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.68 |
| | | | | | | Too clayey | 0.83 |
| 113: Jacanyon----- | 65 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.12 |
| | | | | | | Depth to bedrock | 0.90 |
| Cleavage----- | 25 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Bottom layer | 0.07 | Thickest layer | 0.00 | Depth to bedrock | 0.00 |
| | | | | | | Slope | 0.00 |
| 114: Jebo, dry----- | 40 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | Bottom layer | 0.15 | Bottom layer | 0.01 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.35 |
| | | | | | | Carbonate content | 0.95 |
| Cokeville, dry----- | 30 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Carbonate content | 0.84 |
| Dennot, dry----- | 20 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.37 | Bottom layer | 0.00 | Hard to reclaim | 0.00 |
| | | Bottom layer | 0.68 | Thickest layer | 0.00 | (rock fragments) | |
| | | | | | | Rock fragments | 0.00 |
| | | | | | | Slope | 0.00 |
| | | | | | | Carbonate content | 0.98 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 115: Jebo----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.15 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Rock fragments Slope Depth to bedrock Carbonate content | 0.00 0.00 0.35 0.95 |
| Cupine----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.05 0.18 |
| 116: Jebo, dry----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.15 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Rock fragments Slope Depth to bedrock Carbonate content | 0.00 0.00 0.35 0.95 |
| Cupine, dry----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.05 0.18 |
| 117: Jebo----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.15 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Slope Rock fragments Depth to bedrock Carbonate content | 0.00 0.00 0.35 0.95 |
| Dipcreek----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 118: Jebo, dry----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.15 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Slope Rock fragments Depth to bedrock Carbonate content | 0.00 0.00 0.35 0.95 |
| Dipcreek, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 119: Joes----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.93 |
| 120: Joes----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.93 |
| 121: Kucera----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 122: Kucera----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Chausse----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.03 | Poor Slope Rock fragments Hard to reclaim (rock fragments) | 0.00 0.00 0.00 |
| Rexburg----- | 15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| 123: La Roco----- | 85 | Fair Thickest layer Bottom layer | 0.00 0.55 | Fair Thickest layer Bottom layer | 0.00 0.08 | Poor Carbonate content Too clayey Wetness depth | 0.00 0.18 0.89 |
| 124: La Roco, saline----- | 85 | Fair Thickest layer Bottom layer | 0.00 0.55 | Fair Thickest layer Bottom layer | 0.00 0.08 | Poor Carbonate content Salinity Too clayey Wetness depth Sodium content | 0.00 0.00 0.18 0.89 0.98 |
| 125: Lag----- | 40 | Fair Thickest layer Bottom layer | 0.16 0.17 | Poor Thickest layer Bottom layer | 0.03 0.03 | Poor Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 |
| Dollarhide----- | 35 | Fair Thickest layer Bottom layer | 0.00 0.30 | Poor Thickest layer Bottom layer | 0.00 0.03 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| Rock outcrop----- | 15 | Not rated | | Not rated | | Not rated | |
| 126: Lag----- | 60 | Fair Thickest layer Bottom layer | 0.16 0.17 | Poor Thickest layer Bottom layer | 0.03 0.03 | Poor Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 |
| Dranyon----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Hard to reclaim (rock fragments) Slope Too clayey | 0.00 0.00 0.00 0.57 |
| 127: Lago----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.00 | Fair Wetness depth Carbonate content | 0.24 0.37 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|--------------|--|--------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 128: Lago----- | 65 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.00 | Fair Wetness depth Carbonate content | 0.24 0.37 |
| Bear Lake----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Wetness depth Carbonate content | 0.00 0.53 |
| 129: Lago----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.00 | Fair Wetness depth Carbonate content | 0.24 0.37 |
| Merkley----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Thickest layer Bottom layer | 0.01 0.10 | Fair Carbonate content | 0.68 |
| 130: Lanoak----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 131: Lanoak----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 132: Lanoak----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope | 0.84 |
| 133: Lanoak----- | 90 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| 134: Lanoak----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Arbone----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) | 0.00 0.68 |
| 135: Lanoak----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Rexburg----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|--|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 136: Leftfork----- | 60 | Fair Thickest layer Bottom layer | 0.21 0.31 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope | 0.00 0.00 0.00 0.00 0.00 |
| Cleavage----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 137: Lilcan----- | 60 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope Carbonate content | 0.00 0.00 0.00 0.88 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| Jacanyon----- | 15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.12 0.90 |
| 138: Lilcan----- | 35 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope Carbonate content | 0.00 0.00 0.00 0.88 |
| Watkins Ridge, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content | 0.00 0.68 0.98 |
| Jacanyon----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.12 0.90 |
| 139: Lonjon----- | 45 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Kucera----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Sprollo----- | 15 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Rock fragments Carbonate content Slope Depth to bedrock | 0.00 0.00 0.00 0.84 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 140: Lonjon----- | 45 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Kucera, dry----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Sprollo, dry----- | 15 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Rock fragments Carbonate content Slope Depth to bedrock | 0.00 0.00 0.00 0.84 |
| 141: Lonjon----- | 30 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Monida----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Hard to reclaim (rock fragments) Carbonate content | 0.00 0.00 0.32 0.99 |
| Chokecherry----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| 142: Lonjon----- | 45 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Mumford----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.51 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock Carbonate content | 0.00 0.00 0.00 0.00 |
| Rock outcrop----- | 20 | Not rated | | Not rated | | Not rated | |
| 143: Lonjon----- | 40 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Sheep Creek----- | 30 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Depth to bedrock | 0.00 0.00 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|--|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 143: Dipcreek----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Rock fragments Depth to bedrock Slope |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.00 |
| 144: Lonjon----- | 45 | Fair Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Carbonate content Depth to bedrock |
| | | 0.09 0.35 | 0.00 0.00 | 0.00 0.00 0.08 0.21 |
| Sprollow----- | 20 | Fair Thickest layer Bottom layer | Poor Thickest layer Bottom layer | Poor Slope Rock fragments Carbonate content Depth to bedrock |
| | | 0.00 0.29 | 0.00 0.02 | 0.00 0.00 0.00 0.84 |
| Mumford----- | 15 | Fair Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Depth to bedrock Carbonate content |
| | | 0.00 0.51 | 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| 145: Marshdale----- | 45 | Fair Thickest layer Bottom layer | Fair Thickest layer Bottom layer | Poor Wetness depth Hard to reclaim (rock fragments) |
| | | 0.00 0.65 | 0.00 0.10 | 0.00 0.92 |
| Bloomcreek----- | 30 | Fair Thickest layer Bottom layer | Fair Thickest layer Bottom layer | Poor Hard to reclaim (rock fragments) Wetness depth Rock fragments |
| | | 0.00 0.55 | 0.00 0.14 | 0.00 0.24 0.88 |
| 146: Merkley----- | 85 | Poor Bottom layer Thickest layer | Fair Thickest layer Bottom layer | Fair Carbonate content |
| | | 0.00 0.00 | 0.01 0.10 | 0.68 |
| 147: Millerditch----- | 60 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Fair Sodium content Wetness depth |
| | | 0.00 0.00 | 0.02 0.03 | 0.60 0.86 |
| Cookcan----- | 25 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Fair Wetness depth Carbonate content Too sandy |
| | | 0.00 0.00 | 0.01 0.06 | 0.01 0.98 0.99 |
| 148: Mumford----- | 90 | Fair Thickest layer Bottom layer | Poor Bottom layer Thickest layer | Poor Rock fragments Depth to bedrock Carbonate content Slope |
| | | 0.00 0.51 | 0.00 0.00 | 0.00 0.00 0.00 0.84 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 149: | | | | | | | |
| Mumford----- | 60 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.51 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Depth to bedrock | 0.00 |
| | | | | | | Carbonate content | 0.00 |
| Sprollow----- | 25 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.29 | Bottom layer | 0.02 | Rock fragments | 0.00 |
| | | | | | | Carbonate content | 0.00 |
| | | | | | | Depth to bedrock | 0.84 |
| 150: | | | | | | | |
| Mumford----- | 60 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.51 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Depth to bedrock | 0.00 |
| | | | | | | Carbonate content | 0.00 |
| Sprollow, dry----- | 25 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.29 | Bottom layer | 0.02 | Rock fragments | 0.00 |
| | | | | | | Carbonate content | 0.00 |
| | | | | | | Depth to bedrock | 0.84 |
| 151: | | | | | | | |
| Mumford----- | 65 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.51 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Depth to bedrock | 0.00 |
| | | | | | | Carbonate content | 0.00 |
| Sprollow, dry----- | 25 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.29 | Bottom layer | 0.02 | Rock fragments | 0.00 |
| | | | | | | Carbonate content | 0.00 |
| | | | | | | Depth to bedrock | 0.84 |
| 152: | | | | | | | |
| Nielsen----- | 45 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Depth to bedrock | 0.00 |
| | | | | | | Slope | 0.00 |
| Dranburn----- | 20 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Too clayey | 0.65 |
| | | | | | | Rock fragments | 0.68 |
| Hagenbarth----- | 15 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | | |
| 153: | | | | | | | |
| North Beach----- | 100 | Poor | | Fair | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.07 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.10 | Wetness depth | 0.24 |
| | | | | | | Too sandy | 0.32 |
| | | | | | | Carbonate content | 0.82 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|--------------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 154: Nuffer----- | 45 | Fair Thickest layer Bottom layer | 0.19 0.63 | Fair Thickest layer Bottom layer | 0.19 0.42 | Poor Hard to reclaim (rock fragments) Rock fragments Wetness depth No carbonate limitation | 0.00 0.00 0.53 0.99 |
| Blackotter----- | 35 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Wetness depth Carbonate content | 0.00 0.01 0.89 |
| 155: Nythar----- | 75 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Wetness depth Hard to reclaim (rock fragments) | 0.00 0.32 |
| Sagollow----- | 15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Wetness depth | 0.00 0.00 0.53 0.68 |
| 156: Ovidcreek----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Sodium content Carbonate content Too clayey | 0.00 0.11 0.54 |
| 157: Parding----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.01 0.04 | Poor Slope Carbonate content | 0.00 0.76 |
| Firading----- | 30 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.98 0.99 |
| Hagenbarth----- | 15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| 158: Parding, dry----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.01 0.04 | Poor Slope Carbonate content | 0.00 0.76 |
| Firading, dry----- | 30 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.00 0.98 0.99 |
| Hagenbarth, dry----- | 15 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|---------------------------------------|-------|---------------------------------------|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 159: Pegram----- | 80 | Good | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Hard to reclaim | 0.00 |
| | | Bottom layer | 0.82 | Bottom layer | 0.04 | (rock fragments) | |
| | | | | | | Rock fragments | 0.00 |
| | | | | | | Too clayey | 0.80 |
| 160: Pinegap----- | 50 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | Thickest layer | 0.00 | Bottom layer | 0.01 | Rock fragments | 0.08 |
| | | | | | | Carbonate content | 0.52 |
| | | | | | | Hard to reclaim | 0.99 |
| | | | | | | (rock fragments) | |
| Lonjon----- | 35 | Fair | | Poor | | Poor | |
| | | Thickest layer | 0.09 | Bottom layer | 0.00 | Slope | 0.00 |
| | | Bottom layer | 0.35 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Carbonate content | 0.08 |
| | | | | | | Depth to bedrock | 0.21 |
| 161: Pinehollow----- | 45 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.21 |
| Ant Flat----- | 25 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Too clayey | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Rock fragments | 0.00 |
| | | | | | | Hard to reclaim | 0.74 |
| | | | | | | (rock fragments) | |
| | | | | | | Slope | 0.84 |
| Sheep Creek----- | 20 | Poor | | Poor | | Poor | |
| | | Thickest layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Bottom layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.99 |
| 162: Pits, gravel----- | 100 | Not rated | | Not rated | | Not rated | |
| 163: Pontuge----- | 45 | Fair | | Fair | | Poor | |
| | | Thickest layer | 0.20 | Thickest layer | 0.04 | Slope | 0.00 |
| | | Bottom layer | 0.57 | Bottom layer | 0.07 | Hard to reclaim | 0.00 |
| | | | | | | (rock fragments) | |
| | | | | | | Rock fragments | 0.00 |
| Cokeville----- | 40 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Carbonate content | 0.84 |
| 164: Preussrange----- | 50 | Poor | | Poor | | Poor | |
| | | Bottom layer | 0.00 | Bottom layer | 0.00 | Rock fragments | 0.00 |
| | | Thickest layer | 0.00 | Thickest layer | 0.00 | Slope | 0.00 |
| | | | | | | Depth to bedrock | 0.16 |
| | | | | | | Carbonate content | 0.26 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|--|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 164: Halfcircle----- | 35 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.92 |
| 165: Prucree----- | 50 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Fair Depth to bedrock Slope |
| | | 0.00 0.00 | 0.00 0.03 | 0.35 0.37 |
| Dipcreek----- | 30 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Rock fragments Depth to bedrock Slope |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.37 |
| 166: Raynal----- | 90 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Too clayey Wetness depth |
| | | 0.00 0.00 | 0.00 0.00 | 0.87 0.98 |
| 167: Raynal----- | 60 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Too clayey Wetness depth |
| | | 0.00 0.00 | 0.00 0.00 | 0.87 0.98 |
| Lago----- | 30 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Fair Wetness depth Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.24 0.37 |
| 168: Ream----- | 55 | Fair Thickest layer Bottom layer | Fair Thickest layer Bottom layer | Poor Hard to reclaim (rock fragments) |
| | | 0.00 0.25 | 0.10 0.26 | 0.00 |
| Merkley----- | 30 | Poor Bottom layer Thickest layer | Fair Thickest layer Bottom layer | Fair Carbonate content |
| | | 0.00 0.00 | 0.01 0.10 | 0.68 |
| 169: Redpine----- | 45 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Depth to bedrock Rock fragments |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.21 0.68 |
| Draney----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Depth to bedrock Slope Rock fragments Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.76 0.77 |
| Brushtop----- | 15 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Too clayey |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.12 0.39 |
| 170: Rexburg----- | 80 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Good |
| | | 0.00 0.00 | 0.00 0.00 | |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|--------------|--|--------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 171: Rexburg----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Iphil----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.92 |
| 172: Rexburg----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Iphil----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.92 |
| 173: Rexburg----- | 65 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Kucera----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 174: Rexburg----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Kucera----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 175: Rexburg----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Kucera----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| 176: Rexburg----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Ririe----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.99 |
| 177: Rexburg----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Ririe----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 178: Rexburg----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope | 0.84 |
| Ririe----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Carbonate content | 0.84 0.99 |
| 179: Rexburg----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Watercanyon----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.88 |
| 180: Rexburg----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Wursten----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.32 0.88 0.95 |
| 181: Richollow----- | 70 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| Dranburn----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| 182: Richollow----- | 55 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Depth to bedrock Slope | 0.00 0.00 0.00 |
| Ledgehollow----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Depth to bedrock Slope Rock fragments | 0.00 0.00 0.12 |
| 183: Ririe----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.99 |
| Iphil----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.92 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|--------------|--|--------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 184: Sadducee----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Wetness depth | 0.00 |
| Bearbeach----- | 45 | Fair Thickest layer Bottom layer | 0.45 0.62 | Fair Bottom layer Thickest layer | 0.13 0.13 | Poor Wetness depth Hard to reclaim (rock fragments) Rock fragments Too sandy | 0.00 0.00 0.00 0.00 0.03 |
| 185: Sheep Creek, dry----- | 40 | Poor Thickest layer Bottom layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Depth to bedrock | 0.00 0.00 0.99 |
| Taylow, dry----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Depth to bedrock Rock fragments | 0.00 0.00 0.68 |
| Dry Canyon, dry----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope | 0.00 0.00 |
| 186: Slight----- | 65 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope Rock fragments | 0.00 0.00 0.68 |
| Dranburn----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments | 0.00 0.65 0.68 |
| 187: Springhollow----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content Depth to bedrock Depth to cemented pan | 0.04 0.93 0.94 |
| Arbone----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |
| 188: Springhollow, dry----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content Depth to bedrock Depth to cemented pan | 0.04 0.93 0.94 |
| Arbone, dry----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Hard to reclaim (rock fragments) | 0.68 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 189: Sprollow----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.00 0.84 |
| Lonjon----- | 25 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| 190: Sprollow, dry----- | 55 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.00 0.84 |
| Lonjon----- | 25 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| 191: Sprollow----- | 35 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.00 0.84 |
| Lonjon----- | 30 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Mumford----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.51 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock Carbonate content | 0.00 0.00 0.00 0.00 |
| 192: Sprollow, dry----- | 35 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.00 0.84 |
| Lonjon----- | 30 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Carbonate content Depth to bedrock | 0.00 0.00 0.08 0.21 |
| Mumford----- | 25 | Fair Thickest layer Bottom layer | 0.00 0.51 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock Carbonate content | 0.00 0.00 0.00 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 193: Sprollow----- | 40 | Fair Thickest layer Bottom layer | 0.00 0.29 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Rock fragments Carbonate content Slope Depth to bedrock | 0.00 0.00 0.04 0.84 |
| Wursten----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.04 0.32 0.88 0.95 |
| Lonjon----- | 15 | Fair Thickest layer Bottom layer | 0.09 0.35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Carbonate content Depth to bedrock | 0.00 0.04 0.08 0.21 |
| 194: Streek----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.84 |
| Cleavage----- | 35 | Fair Thickest layer Bottom layer | 0.00 0.07 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.00 0.00 |
| 195: Streek, moist----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.84 |
| Streek----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.84 |
| Swanpeak----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope | 0.00 0.00 0.00 0.84 |
| 196: Streek----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.84 |
| Swanpeak----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope | 0.00 0.00 0.00 0.84 |
| 197: Streek----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey | 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|--|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 197: Swanpeak----- | 35 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| Sagollow----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Wetness depth |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | 0.53 |
| | | | | 0.68 |
| 198: Suryon----- | 90 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Hard to reclaim (rock fragments) |
| | | 0.00 | 0.00 | 0.41 |
| | | 0.00 | 0.00 | |
| 199: Swan Flat----- | 65 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Slope Carbonate content |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | 0.00 |
| | | | | 0.92 |
| Dranburn----- | 20 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Too clayey Rock fragments |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.65 |
| | | | | 0.68 |
| 200: Swanpeak----- | 85 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | 0.00 |
| | | | | 0.96 |
| 201: Swanpeak----- | 60 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | 0.00 |
| | | | | 0.63 |
| Ant Flat----- | 25 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Too clayey Rock fragments Slope Hard to reclaim (rock fragments) |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | 0.63 |
| | | | | 0.74 |
| 202: Swanpeak----- | 50 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Hard to reclaim (rock fragments) Rock fragments Too clayey Slope |
| | | 0.00 | 0.00 | 0.00 |
| | | 0.00 | 0.00 | 0.00 |
| | | | | 0.00 |
| | | | | 0.84 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 202: Cloudless----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Rock fragments Hard to reclaim (rock fragments) Slope | 0.68 0.80 0.84 |
| 203: Swanpeak----- | 70 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Too clayey | 0.00 0.00 0.00 0.00 |
| Dutchcanyon----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Carbonate content | 0.00 0.00 |
| 204: Swanpeak----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Hard to reclaim (rock fragments) Rock fragments Slope Too clayey | 0.00 0.00 0.00 0.00 |
| Dutchcanyon----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Carbonate content | 0.00 0.00 |
| Ant Flat----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope Too clayey Rock fragments Hard to reclaim (rock fragments) | 0.00 0.00 0.00 0.74 |
| 205: Thatcher----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 206: Thatcher, dry----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| 207: Thatcher----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| Church Springs----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Too clayey Slope Carbonate content | 0.66 0.84 0.96 |
| 208: Thatcher----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope | 0.16 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Value | Potential source of sand | Value | Potential source of topsoil | Value |
|--------------------------------|---------------------------|--|------------------|--|------------------|--|----------------------------------|
| | | Rating class and limiting features | | Rating class and limiting features | | Rating class and limiting features | |
| 208: Clegg----- | 20 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope Hard to reclaim (rock fragments) Too clayey | 0.16 0.68 0.86 |
| 209: Thatcher----- | 60 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Good | |
| Joes----- | 25 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Carbonate content | 0.93 |
| 210: Thatcherflats----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Sodium content Salinity Carbonate content | 0.00 0.50 0.99 |
| 211: Thomasfork----- | 95 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Wetness depth Too clayey | 0.06 0.18 |
| 212: Toponce----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Slope | 0.00 0.00 |
| Bailcreek----- | 40 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Too clayey Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 0.00 |
| 213: Tubbs Hollow----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope Depth to bedrock | 0.00 0.00 0.16 |
| Dry Canyon, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Rock fragments Slope | 0.00 0.00 |
| 214: Vicking----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Rock fragments Too clayey | 0.68 0.83 |
| 215: Vicking----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Rock fragments Too clayey | 0.68 0.83 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | Potential source of sand | Potential source of topsoil |
|--------------------------------|---------------------------|--|--|--|
| | | Rating class and limiting features | Rating class and limiting features | Rating class and limiting features |
| 216: Vicking----- | 85 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Too clayey |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.68 0.83 |
| 217: Vicking, dry----- | 85 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Rock fragments Too clayey |
| | | 0.00 0.00 | 0.00 0.00 | 0.68 0.83 |
| 218: Vicking, dry----- | 85 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Fair Slope Rock fragments Too clayey |
| | | 0.00 0.00 | 0.00 0.00 | 0.04 0.68 0.83 |
| 219: Vicking----- | 55 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Too clayey |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.68 0.83 |
| Cokeville----- | 35 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Carbonate content |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.84 |
| 220: Vipont----- | 55 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.01 |
| Dipcreek----- | 30 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.00 |
| 221: Vipont----- | 50 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.01 |
| Prucree----- | 35 | Poor Bottom layer Thickest layer | Poor Thickest layer Bottom layer | Poor Slope Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.03 | 0.00 0.35 |
| 222: Vipont----- | 55 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Rock fragments Depth to bedrock |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 0.01 |
| Suryon----- | 35 | Poor Bottom layer Thickest layer | Poor Bottom layer Thickest layer | Poor Slope Hard to reclaim (rock fragments) |
| | | 0.00 0.00 | 0.00 0.00 | 0.00 0.41 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|---------------------------------|---------------------------|--|--------------|--|--------------|---|------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 223: Warshod----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Slope Hard to reclaim (rock fragments) Rock fragments | 0.00 0.00 0.00 |
| Slan----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.08 0.71 |
| 224: Warshod, dry----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.02 | Poor Hard to reclaim (rock fragments) Rock fragments Slope | 0.00 0.00 0.00 |
| Slan, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.01 | Poor Slope Rock fragments Depth to bedrock | 0.00 0.08 0.71 |
| 225: Water----- | 100 | Not rated | | Not rated | | Not rated | |
| 226: Water, miscellaneous--- | 100 | Not rated | | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Rock fragments Carbonate content | 0.68 0.98 |
| 228: Wursten----- | 75 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.32 0.88 0.95 |
| 229: Wursten----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Slope Rock fragments Carbonate content | 0.32 0.84 0.88 0.95 |
| 230: Wursten----- | 80 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.32 0.88 0.95 |

Soil Survey of Bear Lake County Area, Idaho

Source of Gravel, Sand, and Topsoil--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of gravel | | Potential source of sand | | Potential source of topsoil | |
|--------------------------------|---------------------------|--|------------------|--|------------------|---|--------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 231: Wursten, dry----- | 85 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.32 0.88 0.95 |
| 232: Wursten----- | 50 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.32 0.88 0.95 |
| Bearhollow----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.02 | Poor Slope Rock fragments Carbonate content Sodium content | 0.00 0.76 0.80 0.98 |
| 233: Wursten----- | 55 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Fair Hard to reclaim (rock fragments) Rock fragments Carbonate content Slope | 0.32 0.88 0.95 0.96 |
| Rexburg----- | 30 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Fair Slope | 0.96 |
| 234: Wursten----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.32 0.88 0.95 |
| Rexburg----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |
| 235: Wursten, dry----- | 45 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Thickest layer Bottom layer | 0.00 0.04 | Poor Slope Hard to reclaim (rock fragments) Rock fragments Carbonate content | 0.00 0.32 0.88 0.95 |
| Rexburg, dry----- | 35 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Bottom layer Thickest layer | 0.00 0.00 | Poor Slope | 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00—the smaller the value, the greater the limitation. See "Use and Management of the Soils" for further explanation of ratings in this table.)

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | |
|--------------------------|------------------|--|------------------------------------|-------|
| | | Rating class and limiting features | Rating class and limiting features | Value |
| 1: Ant Flat----- | 75 | Poor Too clayey Organic matter content low Carbonate content | Fair Shrink-swell | 0.67 |
| 2: Ant Flat----- | 80 | Poor Too clayey Organic matter content low Carbonate content | Fair Shrink-swell | 0.67 |
| 3: Ant Flat----- | 80 | Poor Too clayey Organic matter content low Carbonate content | Fair Shrink-swell | 0.67 |
| 4: Arbone----- | 85 | Fair Organic matter content low Water erosion Carbonate content | Good | |
| 5: Arbone----- | 80 | Fair Organic matter content low Water erosion Carbonate content | Good | |
| 6: Arbone, dry----- | 80 | Fair Organic matter content low Water erosion Carbonate content | Fair Slope | 0.98 |
| 7: Arbone----- | 60 | Fair Organic matter content low Water erosion Carbonate content | Good | |
| Wursten----- | 25 | Fair Carbonate content Water erosion | Good | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 8: | | | | | |
| Arbone----- | 55 | Fair | | Good | |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.90 | | |
| | | Carbonate content | 0.92 | | |
| Wursten----- | 35 | Fair | | Good | |
| | | Carbonate content | 0.84 | | |
| | | Water erosion | 0.99 | | |
| 9: | | | | | |
| Arbone, dry----- | 55 | Fair | | Good | |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.90 | | |
| | | Carbonate content | 0.92 | | |
| Wursten, dry----- | 35 | Fair | | Good | |
| | | Carbonate content | 0.84 | | |
| | | Water erosion | 0.99 | | |
| 10: | | | | | |
| Bailcreek----- | 75 | Poor | | Poor | |
| | | Too clayey | 0.00 | Cobble content | 0.00 |
| | | Cobble content | 0.13 | Low strength | 0.00 |
| | | Organic matter content low | 0.88 | Shrink-swell | 0.24 |
| | | Too acid | 0.99 | Slope | 0.50 |
| Dranburn----- | 20 | Fair | | Fair | |
| | | Organic matter content low | 0.08 | Slope | 0.50 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| 11: | | | | | |
| Bailcreek----- | 55 | Poor | | Poor | |
| | | Too clayey | 0.00 | Cobble content | 0.00 |
| | | Cobble content | 0.13 | Low strength | 0.00 |
| | | Organic matter content low | 0.88 | Shrink-swell | 0.24 |
| | | Too acid | 0.99 | | |
| Toponce----- | 40 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Too acid | 0.84 | Shrink-swell | 0.12 |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.99 | | |
| 12: | | | | | |
| Bancroft----- | 80 | Fair | | Fair | |
| | | Water erosion | 0.37 | Low strength | 0.78 |
| | | Carbonate content | 0.80 | | |
| 13: | | | | | |
| Bancroft----- | 80 | Fair | | Fair | |
| | | Water erosion | 0.37 | Low strength | 0.78 |
| | | Carbonate content | 0.80 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 14: Bancroft----- | 85 | Fair | | Fair | |
| | | Water erosion | 0.37 | Slope | 0.68 |
| | | Carbonate content | 0.80 | Low strength | 0.78 |
| 15: Bear Lake----- | 55 | Fair | | Poor | |
| | | Carbonate content | 0.46 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| Bear Lake, ponded----- | 25 | Fair | | Poor | |
| | | Carbonate content | 0.46 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| 16: Bear Lake----- | 40 | Fair | | Poor | |
| | | Carbonate content | 0.46 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| Chesbrook----- | 25 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Wetness depth | 0.00 |
| | | Too alkaline | 0.00 | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| La Roco----- | 15 | Poor | | Fair | |
| | | Carbonate content | 0.00 | Wetness depth | 0.89 |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Too clayey | 0.18 | | |
| | | Water erosion | 0.68 | | |
| 17: Bear Lake----- | 50 | Fair | | Poor | |
| | | Carbonate content | 0.46 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| Lago----- | 35 | Fair | | Poor | |
| | | Carbonate content | 0.08 | Low strength | 0.00 |
| | | Organic matter | 0.12 | Wetness depth | 0.24 |
| | | content low | | Shrink-swell | 0.97 |
| | | Water erosion | 0.99 | | |
| 18: Bearbou----- | 85 | Fair | | Poor | |
| | | Organic matter | 0.02 | Wetness depth | 0.00 |
| | | content low | | Shrink-swell | 0.44 |
| | | Too clayey | 0.08 | | |
| | | Water erosion | 0.99 | | |
| 19: Bearhollow----- | 30 | Fair | | Poor | |
| | | Organic matter | 0.12 | Low strength | 0.00 |
| | | content low | | | |
| | | Carbonate content | 0.16 | | |
| | | Water erosion | 0.90 | | |
| | | Sodium content | 0.97 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill |
|--------------------------------|---------------------------|---|---|
| | | Rating class and limiting features | Rating class and limiting features |
| 19: Brifox----- | 25 | Poor Too clayey Carbonate content Organic matter content low Water erosion | Poor Shrink-swell Low strength |
| | | 0.00 0.68 0.88 0.99 | 0.00 0.00 |
| Iphil----- | 20 | Fair Water erosion Carbonate content | Good |
| | | 0.68 0.68 | |
| 20: Bearhollow----- | 30 | Fair Organic matter content low Carbonate content Water erosion Sodium content | Poor Low strength Slope |
| | | 0.12 0.16 0.90 0.97 | 0.00 0.18 |
| Brifox----- | 25 | Poor Too clayey Carbonate content Organic matter content low Water erosion | Poor Shrink-swell Low strength Slope |
| | | 0.00 0.68 0.88 0.99 | 0.00 0.00 0.18 |
| Iphil----- | 20 | Fair Water erosion Carbonate content | Fair Slope |
| | | 0.68 0.68 | 0.18 |
| 21: Benning----- | 90 | Fair Carbonate content Organic matter content low Water erosion | Fair Low strength |
| | | 0.68 0.88 0.99 | 0.22 |
| 22: Bern----- | 90 | Fair Carbonate content Sodium content Water erosion Organic matter content low | Poor Low strength Shrink-swell Wetness depth |
| | | 0.32 0.40 0.68 0.88 | 0.00 0.97 0.99 |
| 23: Bezzant----- | 75 | Fair Organic matter content low Carbonate content | Fair Shrink-swell |
| | | 0.12 0.68 | 0.99 |
| 24: Bezzant----- | 45 | Fair Organic matter content low Carbonate content | Fair Slope Shrink-swell |
| | | 0.12 0.68 | 0.82 0.99 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 24: Swanpeak----- | 45 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| 25: Bischoff----- | 55 | Fair | | Poor | |
| | | Too clayey | 0.32 | Low strength | 0.00 |
| | | Water erosion | 0.99 | Slope | 0.00 |
| | | | | Shrink-swell | 0.39 |
| Hagenbarth----- | 40 | Fair | | Poor | |
| | | Water erosion | 0.99 | Slope | 0.00 |
| | | | | Low strength | 0.00 |
| 26: Bloomington----- | 80 | Fair | | Poor | |
| | | Carbonate content | 0.68 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| 27: Boundridge----- | 75 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to cemented pan | 0.00 | Depth to cemented pan | 0.00 |
| | | Depth to bedrock | 0.00 | Cobble content | 0.89 |
| | | Too alkaline | 0.00 | | |
| | | Carbonate content | 0.32 | | |
| Sweetcreek----- | 20 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.74 | | |
| | | Water erosion | 0.99 | | |
| | | Depth to bedrock | 0.99 | | |
| 28: Boyd hollow----- | 35 | Fair | | Poor | |
| | | Droughty | 0.32 | Slope | 0.00 |
| | | Organic matter content low | 0.68 | | |
| Slan----- | 30 | Fair | | Poor | |
| | | Droughty | 0.30 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.50 | Slope | 0.00 |
| | | Depth to bedrock | 0.71 | Shrink-swell | 0.98 |
| | | Carbonate content | 0.74 | | |
| Cokeville----- | 15 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Carbonate content | 0.32 | Shrink-swell | 0.70 |
| | | | | Depth to bedrock | 0.95 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 29: Brifox----- | 75 | Poor | | Poor | |
| | | Too clayey | 0.00 | Shrink-swell | 0.00 |
| | | Carbonate content | 0.68 | Low strength | 0.00 |
| | | Organic matter | 0.88 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |
| Lizdale----- | 20 | Poor | | Good | |
| | | Carbonate content | 0.00 | | |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Droughty | 0.68 | | |
| 30: Brifox----- | 45 | Poor | | Poor | |
| | | Too clayey | 0.00 | Shrink-swell | 0.00 |
| | | Carbonate content | 0.68 | Low strength | 0.00 |
| | | Organic matter | 0.88 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |
| Niter----- | 35 | Fair | | Poor | |
| | | Too clayey | 0.02 | Shrink-swell | 0.00 |
| | | Organic matter | 0.18 | Low strength | 0.00 |
| | | content low | | | |
| | | Carbonate content | 0.80 | | |
| | | Water erosion | 0.99 | | |
| 31: Brifox----- | 45 | Poor | | Poor | |
| | | Too clayey | 0.00 | Shrink-swell | 0.00 |
| | | Carbonate content | 0.68 | Low strength | 0.00 |
| | | Organic matter | 0.88 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |
| Niter----- | 35 | Fair | | Poor | |
| | | Too clayey | 0.02 | Shrink-swell | 0.00 |
| | | Organic matter | 0.18 | Low strength | 0.00 |
| | | content low | | | |
| | | Carbonate content | 0.80 | | |
| | | Water erosion | 0.99 | | |
| 32: Broadhead----- | 85 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | | | Shrink-swell | 0.42 |
| 33: Broadhead----- | 80 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | | | Shrink-swell | 0.42 |
| 34: Broadhead----- | 40 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | | | Shrink-swell | 0.42 |
| | | | | Slope | 0.50 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 34: | | | | | |
| Hades----- | 40 | Fair | | Fair | |
| | | Organic matter content low | 0.88 | Slope Shrink-swell | 0.50 0.96 |
| Swanpeak----- | 20 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Slope | 0.50 |
| | | Cobble content | 0.83 | Cobble content | 0.63 |
| | | Organic matter content low | 0.88 | Low strength | 0.78 |
| 35: | | | | | |
| Buist----- | 85 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Cobble content | 0.06 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.67 | | |
| | | Droughty | 0.92 | | |
| 36: | | | | | |
| Buist----- | 90 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Cobble content | 0.06 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.67 | | |
| | | Droughty | 0.92 | | |
| 37: | | | | | |
| Buist, dry----- | 90 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Cobble content | 0.06 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.67 | | |
| | | Droughty | 0.92 | | |
| 38: | | | | | |
| Buist----- | 90 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Cobble content | 0.06 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.67 | | |
| | | Droughty | 0.92 | | |
| 39: | | | | | |
| Buist----- | 65 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Cobble content | 0.06 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.67 | | |
| | | Droughty | 0.92 | | |
| Arbone----- | 30 | Fair | | Good | |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.90 | | |
| | | Carbonate content | 0.92 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 40: Burchert----- | 60 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Depth to bedrock Slope | 0.00 |
| | | Depth to bedrock | 0.54 | Low strength | 0.22 |
| | | Droughty | 0.87 | Shrink-swell | 0.89 |
| Whitetop----- | 25 | Poor | | Poor | |
| | | Wind erosion | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Water erosion | 0.99 | | |
| 41: Cedarhill----- | 90 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter content low | 0.03 | Cobble content | 0.92 |
| | | Carbonate content | 0.46 | | |
| | | Droughty | 0.94 | | |
| 42: Cedarhill, dry----- | 80 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter content low | 0.03 | Slope | 0.00 |
| | | Carbonate content | 0.46 | Cobble content | 0.92 |
| | | Droughty | 0.94 | | |
| 43: Cedarhill----- | 50 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter content low | 0.03 | Cobble content | 0.92 |
| | | Carbonate content | 0.46 | | |
| | | Droughty | 0.94 | | |
| Bearhollow----- | 40 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.16 | | |
| | | Water erosion | 0.90 | | |
| | | Sodium content | 0.97 | | |
| 44: Cedarhill----- | 50 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter content low | 0.03 | Slope | 0.50 |
| | | Carbonate content | 0.46 | Cobble content | 0.92 |
| | | Droughty | 0.94 | | |
| Buist----- | 35 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Cobble content | 0.06 |
| | | Carbonate content | 0.54 | Slope | 0.50 |
| | | Cobble content | 0.67 | | |
| | | Droughty | 0.92 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill |
|--------------------------------|---------------------------|---|---------------------------------------|
| | | Rating class and limiting features | Rating class and limiting features |
| 45: | | | |
| Cedarhill----- | 60 | Poor | Poor |
| | | Stone content | Stones |
| | | Organic matter | Slope |
| | | content low | Cobble content |
| | | Carbonate content | |
| | | Droughty | |
| Burchert----- | 35 | Fair | Poor |
| | | Organic matter | Depth to bedrock |
| | | content low | Slope |
| | | Depth to bedrock | Low strength |
| | | Droughty | Shrink-swell |
| 46: | | | |
| Cedarhill----- | 60 | Poor | Poor |
| | | Stone content | Stones |
| | | Organic matter | Cobble content |
| | | content low | |
| | | Carbonate content | |
| | | Droughty | |
| Clegg----- | 40 | Fair | Good |
| | | Organic matter | |
| | | content low | |
| | | Carbonate content | |
| | | Too clayey | |
| | | Water erosion | |
| 47: | | | |
| Cedarhill----- | 45 | Poor | Poor |
| | | Stone content | Stones |
| | | Organic matter | Slope |
| | | content low | Cobble content |
| | | Carbonate content | |
| | | Droughty | |
| Clegg----- | 30 | Fair | Fair |
| | | Organic matter | Slope |
| | | content low | |
| | | Carbonate content | |
| | | Too clayey | |
| | | Water erosion | |
| Drage----- | 20 | Fair | Fair |
| | | Organic matter | Slope |
| | | content low | Cobble content |
| | | Cobble content | Shrink-swell |
| 48: | | | |
| Cedarhill, dry----- | 50 | Poor | Poor |
| | | Stone content | Stones |
| | | Organic matter | Slope |
| | | content low | Cobble content |
| | | Carbonate content | |
| | | Droughty | |
| Pinehollow, dry----- | 35 | Fair | Poor |
| | | Depth to bedrock | Depth to bedrock |
| | | Droughty | Slope |
| | | Cobble content | Shrink-swell |
| | | Too acid | Cobble content |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 49: | | | | | |
| Cedarhill----- | 50 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter content low | 0.03 | Slope | 0.50 |
| | | Carbonate content | 0.46 | Cobble content | 0.92 |
| | | Droughty | 0.94 | | |
| Wursten----- | 40 | Fair | | Fair | |
| | | Carbonate content | 0.84 | Slope | 0.50 |
| | | Water erosion | 0.99 | | |
| 50: | | | | | |
| Chesbrook----- | 65 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Wetness depth | 0.00 |
| | | Too alkaline | 0.00 | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| Bear Lake----- | 20 | Fair | | Poor | |
| | | Carbonate content | 0.46 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| 51: | | | | | |
| Chinhill----- | 80 | Fair | | Good | |
| | | Carbonate content | 0.80 | | |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.90 | | |
| 52: | | | | | |
| Chokecherry----- | 65 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Cobble content | 0.11 | Cobble content | 0.86 |
| | | Organic matter content low | 0.50 | | |
| Dranyon----- | 20 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Too acid | 0.97 | Shrink-swell | 0.87 |
| | | Too clayey | 0.98 | | |
| 53: | | | | | |
| Chokecherry----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.18 |
| | | Cobble content | 0.11 | Cobble content | 0.86 |
| | | Organic matter content low | 0.50 | | |
| Slights----- | 25 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.02 | Shrink-swell | 0.02 |
| | | | | Slope | 0.18 |
| Sheep Creek----- | 20 | Fair | | Poor | |
| | | Droughty | 0.22 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.50 | Slope | 0.18 |
| | | | | Cobble content | 0.70 |
| | | Depth to bedrock | 0.99 | Shrink-swell | 0.87 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | |
|--------------------------------|---------------------------|---|---------------------------------------|-------|
| | | Rating class and limiting features | Rating class and limiting features | Value |
| 54: | | | | |
| Chokecherry----- | 30 | Poor | Poor | |
| | | Droughty | Depth to bedrock | 0.00 |
| | | Depth to bedrock | Slope | 0.00 |
| | | Cobble content | Cobble content | 0.86 |
| | | Organic matter content low | | |
| | | | | |
| Tubbs Hollow----- | 30 | Poor | Poor | |
| | | Droughty | Depth to bedrock | 0.00 |
| | | Depth to bedrock | Slope | 0.00 |
| | | Cobble content | Cobble content | 0.55 |
| | | Organic matter content low | Stones | 0.99 |
| | | Stone content | | |
| | | Too acid | | |
| | | | | |
| Sheep Creek, dry----- | 25 | Fair | Poor | |
| | | Droughty | Depth to bedrock | 0.00 |
| | | Organic matter content low | Slope | 0.00 |
| | | Depth to bedrock | Cobble content | 0.70 |
| | | | Shrink-swell | 0.87 |
| | | | | |
| 55: | | | | |
| Church Springs, dry----- | 55 | Fair | Poor | |
| | | Organic matter content low | Low strength | 0.00 |
| | | Carbonate content | Shrink-swell | 0.87 |
| | | Water erosion | | |
| | | Too clayey | | |
| | | | | |
| Monida, dry----- | 35 | Fair | Good | |
| | | Organic matter content low | | |
| | | Carbonate content | | |
| | | Water erosion | | |
| | | | | |
| 56: | | | | |
| Cleavage----- | 70 | Poor | Poor | |
| | | Droughty | Depth to bedrock | 0.00 |
| | | Depth to bedrock | Low strength | 0.00 |
| | | Organic matter content low | Slope | 0.50 |
| | | | Shrink-swell | 0.87 |
| | | | | |
| Rock outcrop----- | 25 | Not rated | Not rated | |
| | | | | |
| 57: | | | | |
| Clegg----- | 90 | Fair | Good | |
| | | Organic matter content low | | |
| | | Carbonate content | | |
| | | Too clayey | | |
| | | Water erosion | | |
| | | | | |
| 58: | | | | |
| Clegg----- | 90 | Fair | Good | |
| | | Organic matter content low | | |
| | | Carbonate content | | |
| | | Too clayey | | |
| | | Water erosion | | |
| | | | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|--|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 59: Clegg----- | 50 | Fair Organic matter content low Carbonate content Too clayey Water erosion | 0.12 0.68 0.98 0.99 | Good | |
| Grecan----- | 35 | Fair Organic matter content low Too clayey Too acid Water erosion | 0.12 0.50 0.97 0.99 | Fair Shrink-swell Low strength | 0.75 0.78 |
| 60: Cooley, dry----- | 40 | Fair Organic matter content low Droughty | 0.12 0.13 | Poor Slope | 0.00 |
| Beehunt, dry----- | 30 | Poor Stone content Organic matter content low Droughty Cobble content | 0.00 0.12 0.24 0.86 | Poor Slope Stones Cobble content Shrink-swell | 0.00 0.00 0.15 0.87 |
| 61: Crossley----- | 70 | Poor Stone content Droughty Depth to bedrock Carbonate content Organic matter content low Cobble content | 0.00 0.00 0.00 0.32 0.50 0.96 | Poor Depth to bedrock Slope Stones | 0.00 0.00 0.03 |
| Rock outcrop----- | 25 | Not rated | | Not rated | |
| 62: Crossley----- | 50 | Poor Stone content Droughty Depth to bedrock Carbonate content Organic matter content low Cobble content | 0.00 0.00 0.00 0.32 0.50 0.96 | Poor Depth to bedrock Slope Stones | 0.00 0.00 0.03 |
| Whitetop----- | 30 | Poor Wind erosion Droughty Depth to bedrock Water erosion | 0.00 0.00 0.00 0.99 | Poor Depth to bedrock Slope | 0.00 0.00 |
| Rock outcrop----- | 10 | Not rated | | Not rated | |
| 63: Cupine----- | 45 | Poor Droughty Depth to bedrock | 0.00 0.05 | Poor Depth to bedrock Slope | 0.00 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill |
|--------------------------------|---------------------------|---|---------------------------------------|
| | | Rating class and limiting features | Rating class and limiting features |
| 63: Dunford----- | 25 | Fair | Poor |
| | | Organic matter content low | Depth to bedrock |
| | | Depth to bedrock | Slope |
| | | Droughty | Low strength |
| | | | Shrink-swell |
| 64: Cupine, dry----- | 40 | Poor | Poor |
| | | Droughty | Depth to bedrock |
| | | Depth to bedrock | Slope |
| Falula, dry----- | 30 | Poor | Poor |
| | | Droughty | Depth to bedrock |
| | | Depth to bedrock | Slope |
| | | Cobble content | Cobble content |
| | | Carbonate content | |
| 65: Dennot, dry----- | 50 | Fair | Good |
| | | Organic matter content low | |
| | | Carbonate content | |
| | | Droughty | |
| Thatcher, dry----- | 40 | Fair | Poor |
| | | Organic matter content low | Low strength |
| | | Water erosion | |
| | | Carbonate content | |
| 66: Dingle----- | 80 | Fair | Poor |
| | | Carbonate content | Wetness depth |
| | | | Shrink-swell |
| 67: Dinswamp----- | 75 | Poor | Poor |
| | | Sodium content | Wetness depth |
| | | Too alkaline | Shrink-swell |
| | | Carbonate content | |
| 68: Dipcreek----- | 35 | Poor | Poor |
| | | Droughty | Depth to bedrock |
| | | Depth to bedrock | Slope |
| | | Cobble content | Cobble content |
| | | Organic matter content low | |
| Cutoff----- | 30 | Poor | Poor |
| | | Droughty | Depth to bedrock |
| | | Depth to bedrock | Slope |
| | | Organic matter content low | |
| | | Carbonate content | |
| Sheep Creek----- | 20 | Fair | Poor |
| | | Droughty | Depth to bedrock |
| | | Organic matter content low | Slope |
| | | | Cobble content |
| | | Depth to bedrock | Shrink-swell |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 69: Dipcreek----- | 60 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Cobble content | 0.55 |
| | | Cobble content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| Rock outcrop----- | 40 | Not rated | | Not rated | |
| 70: Dirtyhead----- | 50 | Fair | | Poor | |
| | | Droughty | 0.01 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.68 | Slope | 0.00 |
| | | Depth to bedrock | 0.71 | | |
| | | Organic matter content low | 0.82 | | |
| Cedarhill----- | 30 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter content low | 0.03 | Slope | 0.00 |
| | | Carbonate content | 0.46 | Cobble content | 0.92 |
| | | Droughty | 0.94 | | |
| 71: Dirtyhead----- | 35 | Fair | | Poor | |
| | | Droughty | 0.01 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.68 | Slope | 0.00 |
| | | Depth to bedrock | 0.71 | | |
| | | Organic matter content low | 0.82 | | |
| Mumford----- | 30 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| Dranburn----- | 25 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| 72: Dollarhide----- | 90 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| 73: Dollarhide----- | 60 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| Grunder----- | 20 | Fair | | Poor | |
| | | Depth to bedrock | 0.21 | Depth to bedrock | 0.00 |
| | | Droughty | 0.24 | Low strength | 0.00 |
| | | Too acid | 0.92 | Slope | 0.00 |
| | | | | Shrink-swell | 0.82 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 74: | | | | | |
| Drage----- | 35 | Fair | | Fair | |
| | | Organic matter content low | 0.05 | Cobble content | 0.73 |
| | | Cobble content | 0.82 | Shrink-swell | 0.82 |
| Causey----- | 30 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Carbonate content | 0.68 | | |
| Lilcan----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.70 | | |
| 75: | | | | | |
| Dranburn----- | 50 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| Hoopgobel----- | 25 | Fair | | Poor | |
| | | Depth to bedrock | 0.35 | Depth to bedrock | 0.00 |
| | | Droughty | 0.75 | Slope | 0.00 |
| | | Organic matter content low | 0.88 | Low strength | 0.78 |
| | | | | Shrink-swell | 0.89 |
| Ledgehollow----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.82 | Shrink-swell | 0.82 |
| 76: | | | | | |
| Dranburn----- | 60 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| Pavohroo----- | 40 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | | | Shrink-swell | 0.82 |
| 77: | | | | | |
| Dranburn----- | 60 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| Pontuge----- | 30 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Carbonate content | 0.46 | | |
| | | Droughty | 0.99 | | |
| | | Water erosion | 0.99 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 78: Dranburn----- | 60 | Fair | | Fair | |
| | | Organic matter content low | 0.08 | Slope | 0.50 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| Poulridge----- | 40 | Fair | | Poor | |
| | | Organic matter content low | 0.82 | Depth to bedrock | 0.00 |
| | | Droughty | 0.96 | Low strength | 0.00 |
| | | Depth to bedrock | 0.97 | Slope | 0.50 |
| | | Too acid | 0.99 | Shrink-swell | 0.94 |
| 79: Dranyon----- | 75 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Too acid | 0.97 | Shrink-swell | 0.87 |
| | | Too clayey | 0.98 | | |
| 80: Dry Canyon, dry----- | 85 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Depth to bedrock | 0.82 |
| | | Too acid | 0.92 | Shrink-swell | 0.87 |
| 81: Dry Canyon, dry----- | 55 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Slope | 0.02 |
| | | Too acid | 0.92 | Depth to bedrock | 0.82 |
| | | | | Shrink-swell | 0.87 |
| Cutoff----- | 30 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.05 | Slope | 0.02 |
| | | Organic matter content low | 0.12 | | |
| | | Carbonate content | 0.92 | | |
| 82: Dumps, mine----- | 100 | Not rated | | Not rated | |
| 83: Dutchcanyon----- | 85 | Poor | | Good | |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.90 | | |
| 84: Dutchcanyon----- | 45 | Poor | | Good | |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.90 | | |
| Frenchollow----- | 35 | Fair | | Poor | |
| | | Carbonate content | 0.74 | Low strength | 0.00 |
| | | Too clayey | 0.88 | Shrink-swell | 0.12 |
| | | Organic matter content low | 0.88 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 85: Every----- | 50 | Poor | | Fair | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.07 |
| | | Organic matter content low | 0.12 | | |
| | | Droughty | 0.88 | | |
| | | Water erosion | 0.99 | | |
| Preuss----- | 25 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | | |
| | | Depth to bedrock | 0.03 | | |
| | | Organic matter content low | 0.12 | | |
| 86: Every----- | 55 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.12 | Depth to bedrock | 0.07 |
| | | Droughty | 0.88 | | |
| | | Water erosion | 0.99 | | |
| Preuss----- | 30 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.03 | | |
| | | Organic matter content low | 0.12 | | |
| 87: Fishaven----- | 70 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.09 | | |
| | | Depth to bedrock | 0.29 | | |
| Dutchcanyon----- | 20 | Poor | | Good | |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.90 | | |
| 88: Frenchollow----- | 85 | Fair | | Poor | |
| | | Carbonate content | 0.74 | Low strength | 0.00 |
| | | Too clayey | 0.88 | Shrink-swell | 0.12 |
| | | Organic matter content low | 0.88 | | |
| 89: Frenchollow----- | 85 | Fair | | Poor | |
| | | Carbonate content | 0.74 | Low strength | 0.00 |
| | | Too clayey | 0.88 | Shrink-swell | 0.12 |
| | | Organic matter content low | 0.88 | | |
| 90: Fury----- | 90 | Good | | Poor | |
| | | | | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 91: Georgecanyon----- | 90 | Fair | | Fair | |
| | | Carbonate content | 0.46 | Cobble content | 0.98 |
| | | Organic matter content low | 0.50 | | |
| | | Droughty | 0.96 | | |
| | | Stone content | 0.98 | | |
| | | Cobble content | 0.99 | | |
| 92: Hades----- | 85 | Fair | | Fair | |
| | | Organic matter content low | 0.88 | Shrink-swell | 0.96 |
| 93: Hades----- | 85 | Fair | | Fair | |
| | | Organic matter content low | 0.88 | Shrink-swell | 0.96 |
| 94: Hades----- | 90 | Fair | | Fair | |
| | | Organic matter content low | 0.88 | Shrink-swell | 0.96 |
| | | | | Slope | 0.98 |
| 95: Hades----- | 60 | Fair | | Fair | |
| | | Organic matter content low | 0.88 | Slope | 0.82 |
| | | | | Shrink-swell | 0.96 |
| Horrocks----- | 25 | Fair | | Fair | |
| | | Organic matter content low | 0.50 | Depth to bedrock | 0.07 |
| | | Droughty | 0.83 | Slope | 0.82 |
| | | | | Shrink-swell | 0.99 |
| 96: Hagenbarth----- | 60 | Fair | | Poor | |
| | | Water erosion | 0.99 | Low strength | 0.00 |
| Clegg----- | 40 | Fair | | Good | |
| | | Organic matter content low | 0.12 | | |
| | | Carbonate content | 0.68 | | |
| | | Too clayey | 0.98 | | |
| | | Water erosion | 0.99 | | |
| 97: Hagenbarth----- | 55 | Fair | | Poor | |
| | | Water erosion | 0.99 | Slope | 0.00 |
| | | | | Low strength | 0.00 |
| Dranburn----- | 25 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| 98: Hagenbarth----- | 55 | Fair | | Poor | |
| | | Water erosion | 0.99 | Slope | 0.00 |
| | | | | Low strength | 0.00 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 98: Horrocks----- | 30 | Fair | | Poor | |
| | | Organic matter | 0.50 | Slope | 0.00 |
| | | content low | | Depth to bedrock | 0.07 |
| | | Droughty | 0.83 | Shrink-swell | 0.99 |
| 99: Hagenbarth----- | 40 | Fair | | Poor | |
| | | Water erosion | 0.99 | Slope | 0.00 |
| | | | | Low strength | 0.00 |
| Zeebar----- | 35 | Fair | | Poor | |
| | | Organic matter | 0.50 | Slope | 0.00 |
| | | content low | | Shrink-swell | 0.82 |
| | | Droughty | 0.97 | | |
| Dranburn----- | 20 | Fair | | Poor | |
| | | Organic matter | 0.08 | Slope | 0.00 |
| | | content low | | Low strength | 0.78 |
| | | Too clayey | 0.92 | | |
| | | Too acid | 0.99 | | |
| 100: Hoopgobel----- | 55 | Fair | | Poor | |
| | | Depth to bedrock | 0.35 | Depth to bedrock | 0.00 |
| | | Droughty | 0.75 | Slope | 0.00 |
| | | Organic matter | 0.88 | Low strength | 0.78 |
| | | content low | | Shrink-swell | 0.89 |
| Cadero----- | 30 | Poor | | Poor | |
| | | Wind erosion | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.16 | Slope | 0.00 |
| | | Droughty | 0.27 | | |
| | | Organic matter | 0.88 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |
| 101: Hoopgobel----- | 65 | Fair | | Poor | |
| | | Depth to bedrock | 0.35 | Depth to bedrock | 0.00 |
| | | Droughty | 0.75 | Slope | 0.00 |
| | | Organic matter | 0.88 | Low strength | 0.78 |
| | | content low | | Shrink-swell | 0.89 |
| Slights----- | 25 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter | 0.02 | Slope | 0.00 |
| | | content low | | Shrink-swell | 0.02 |
| 102: Horrocks----- | 55 | Fair | | Fair | |
| | | Organic matter | 0.50 | Depth to bedrock | 0.07 |
| | | content low | | Slope | 0.82 |
| | | Droughty | 0.83 | Shrink-swell | 0.99 |
| Cedarhill----- | 30 | Poor | | Poor | |
| | | Stone content | 0.00 | Stones | 0.00 |
| | | Organic matter | 0.03 | Slope | 0.00 |
| | | content low | | Cobble content | 0.92 |
| | | Carbonate content | 0.46 | | |
| | | Droughty | 0.94 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 103: | | | | | |
| Horrocks----- | 60 | Fair | | Fair | |
| | | Organic matter | 0.50 | Depth to bedrock | 0.07 |
| | | content low | | Shrink-swell | 0.99 |
| | | Droughty | 0.83 | | |
| Cleavage----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Low strength | 0.00 |
| | | Organic matter | 0.18 | Shrink-swell | 0.87 |
| | | content low | | | |
| 104: | | | | | |
| Horrocks----- | 60 | Fair | | Poor | |
| | | Organic matter | 0.50 | Slope | 0.00 |
| | | content low | | Depth to bedrock | 0.07 |
| | | Droughty | 0.83 | Shrink-swell | 0.99 |
| Cleavage----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Organic matter | 0.18 | Low strength | 0.00 |
| | | content low | | Shrink-swell | 0.87 |
| 105: | | | | | |
| Hutchley----- | 30 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Too acid | 0.97 | Shrink-swell | 0.87 |
| | | Cobble content | 0.99 | | |
| | | Stone content | 0.99 | | |
| Cupine----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.05 | Slope | 0.00 |
| Vitale----- | 20 | Poor | | Poor | |
| | | Cobble content | 0.00 | Depth to bedrock | 0.00 |
| | | Organic matter | 0.18 | Cobble content | 0.00 |
| | | content low | | Slope | 0.00 |
| | | Droughty | 0.21 | Shrink-swell | 0.89 |
| | | Depth to bedrock | 0.54 | Stones | 0.99 |
| | | Stone content | 0.85 | | |
| 106: | | | | | |
| Iphil----- | 80 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| 107: | | | | | |
| Iphil----- | 80 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| 108: | | | | | |
| Iphil----- | 80 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 109: | | | | | |
| Iphil----- | 30 | Fair | | Fair | |
| | | Water erosion | 0.68 | Slope | 0.92 |
| | | Carbonate content | 0.68 | | |
| Lanoak----- | 30 | Fair | | Poor | |
| | | Water erosion | 0.68 | Low strength | 0.00 |
| | | | | Slope | 0.92 |
| | | | | Shrink-swell | 0.98 |
| Watercanyon----- | 20 | Poor | | Fair | |
| | | Too alkaline | 0.00 | Slope | 0.92 |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.68 | | |
| 110: | | | | | |
| Iphil----- | 50 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| Watercanyon----- | 30 | Poor | | Good | |
| | | Too alkaline | 0.00 | | |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.68 | | |
| 111: | | | | | |
| Iphil, dry----- | 50 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| Watercanyon, dry----- | 30 | Poor | | Good | |
| | | Too alkaline | 0.00 | | |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.68 | | |
| 112: | | | | | |
| Ireland----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.10 | Slope | 0.00 |
| | | Carbonate content | 0.80 | | |
| | | Organic matter | 0.88 | | |
| | | content low | | | |
| Falula----- | 35 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Cobble content | 0.00 | Cobble content | 0.60 |
| | | Carbonate content | 0.92 | | |
| Vicking----- | 15 | Fair | | Poor | |
| | | Organic matter | 0.12 | Slope | 0.00 |
| | | content low | | Low strength | 0.00 |
| | | Carbonate content | 0.92 | | |
| | | Too clayey | 0.99 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 113: Jacanyon----- | 65 | Fair | | Poor | |
| | | Depth to bedrock | 0.90 | Depth to bedrock | 0.00 |
| | | Droughty | 0.97 | Slope | 0.00 |
| | | Water erosion | 0.99 | Shrink-swell | 0.87 |
| Cleavage----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.18 | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |
| 114: Jebo, dry----- | 40 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.92 |
| | | Organic matter content low | 0.18 | | |
| | | Depth to bedrock | 0.35 | | |
| Cokeville, dry----- | 30 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Shrink-swell | 0.70 |
| | | Carbonate content | 0.32 | Slope | 0.92 |
| | | | | Depth to bedrock | 0.95 |
| Dennot, dry----- | 20 | Fair | | Fair | |
| | | Organic matter content low | 0.50 | Slope | 0.92 |
| | | Carbonate content | 0.74 | | |
| | | Droughty | 0.94 | | |
| 115: Jebo----- | 55 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.50 |
| | | Organic matter content low | 0.18 | | |
| | | Depth to bedrock | 0.35 | | |
| Cupine----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.05 | Slope | 0.50 |
| 116: Jebo, dry----- | 55 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.18 | | |
| | | Depth to bedrock | 0.35 | | |
| Cupine, dry----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.05 | | |
| 117: Jebo----- | 55 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.18 | | |
| | | Depth to bedrock | 0.35 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features |
| 117: Dipcreek----- | 35 | Poor | | Poor |
| | | Droughty | 0.00 | Depth to bedrock |
| | | Depth to bedrock | 0.00 | Slope |
| | | Cobble content | 0.00 | Cobble content |
| | | Organic matter content low | 0.12 | |
| 118: Jebo, dry----- | 55 | Poor | | Poor |
| | | Droughty | 0.00 | Depth to bedrock |
| | | Carbonate content | 0.00 | Slope |
| | | Organic matter content low | 0.18 | |
| | | Depth to bedrock | 0.35 | |
| Dipcreek, dry----- | 35 | Poor | | Poor |
| | | Droughty | 0.00 | Depth to bedrock |
| | | Depth to bedrock | 0.00 | Slope |
| | | Cobble content | 0.00 | Cobble content |
| | | Organic matter content low | 0.12 | |
| 119: Joes----- | 75 | Fair | | Poor |
| | | Organic matter content low | 0.12 | Low strength |
| | | Carbonate content | 0.68 | |
| | | Water erosion | 0.90 | |
| 120: Joes----- | 75 | Fair | | Poor |
| | | Organic matter content low | 0.12 | Low strength |
| | | Carbonate content | 0.68 | |
| | | Water erosion | 0.90 | |
| 121: Kucera----- | 90 | Fair | | Fair |
| | | Organic matter content low | 0.02 | Slope |
| | | Water erosion | 0.68 | |
| | | Carbonate content | 0.84 | |
| 122: Kucera----- | 45 | Fair | | Poor |
| | | Organic matter content low | 0.02 | Slope |
| | | Water erosion | 0.68 | |
| | | Carbonate content | 0.84 | |
| Chausse----- | 25 | Poor | | Poor |
| | | Too alkaline | 0.00 | Slope |
| | | Organic matter content low | 0.12 | Shrink-swell |
| | | Carbonate content | 0.99 | Cobble content |
| Rexburg----- | 15 | Fair | | Poor |
| | | Water erosion | 0.37 | Slope |
| | | Carbonate content | 0.80 | |
| | | Organic matter content low | 0.88 | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 123: La Roco----- | 85 | Poor | | Fair | |
| | | Carbonate content | 0.00 | Wetness depth | 0.89 |
| | | Organic matter content low | 0.12 | | |
| | | Too clayey | 0.18 | | |
| | | Water erosion | 0.68 | | |
| 124: La Roco, saline----- | 85 | Poor | | Fair | |
| | | Carbonate content | 0.00 | Wetness depth | 0.89 |
| | | Organic matter content low | 0.12 | | |
| | | Too clayey | 0.18 | | |
| | | Water erosion | 0.68 | | |
| | | Salinity | 0.97 | | |
| | | Sodium content | 0.97 | | |
| 125: Lag----- | 40 | Poor | | Poor | |
| | | Organic matter content low | 0.00 | Slope | 0.00 |
| | | Droughty | 0.37 | | |
| Dollarhide----- | 35 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| Rock outcrop----- | 15 | Not rated | | Not rated | |
| 126: Lag----- | 60 | Poor | | Poor | |
| | | Organic matter content low | 0.00 | Slope | 0.00 |
| | | Droughty | 0.37 | | |
| Dranyon----- | 25 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Too acid | 0.97 | Shrink-swell | 0.87 |
| | | Too clayey | 0.98 | | |
| 127: Lago----- | 85 | Fair | | Poor | |
| | | Carbonate content | 0.08 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Wetness depth | 0.24 |
| | | Water erosion | 0.99 | Shrink-swell | 0.97 |
| 128: Lago----- | 65 | Fair | | Poor | |
| | | Carbonate content | 0.08 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Wetness depth | 0.24 |
| | | Water erosion | 0.99 | Shrink-swell | 0.97 |
| Bear Lake----- | 25 | Fair | | Poor | |
| | | Carbonate content | 0.46 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.87 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 129: Lago----- | 60 | Fair Carbonate content Organic matter content low Water erosion | 0.08 0.12 0.99 | Poor Low strength Wetness depth Shrink-swell | 0.00 0.24 0.97 |
| Merkley----- | 30 | Poor Carbonate content Organic matter content low Water erosion | 0.00 0.12 0.68 | Good | |
| 130: Lanoak----- | 80 | Fair Water erosion | 0.68 | Poor Low strength Shrink-swell | 0.00 0.98 |
| 131: Lanoak----- | 85 | Fair Water erosion | 0.68 | Poor Low strength Shrink-swell | 0.00 0.98 |
| 132: Lanoak----- | 85 | Fair Water erosion | 0.68 | Poor Low strength Shrink-swell | 0.00 0.98 |
| 133: Lanoak----- | 90 | Fair Water erosion | 0.68 | Poor Low strength Slope Shrink-swell | 0.00 0.98 0.98 |
| 134: Lanoak----- | 60 | Fair Water erosion | 0.68 | Poor Low strength Slope Shrink-swell | 0.00 0.50 0.98 |
| Arbone----- | 30 | Fair Organic matter content low Water erosion Carbonate content | 0.88 0.90 0.92 | Fair Slope | 0.50 |
| 135: Lanoak----- | 55 | Fair Water erosion | 0.68 | Poor Low strength Shrink-swell | 0.00 0.98 |
| Rexburg----- | 35 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.80 0.88 | Good | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 136: Leftfork----- | 60 | Poor | | Fair | |
| | | Too clayey | 0.00 | Depth to bedrock | 0.07 |
| | | Organic matter content low | 0.08 | Shrink-swell | 0.16 |
| | | Stone content | 0.52 | Slope | 0.50 |
| | | Droughty | 0.77 | Stones | 0.74 |
| | | Water erosion | 0.90 | | |
| | | Too acid | 0.97 | | |
| Cleavage----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.18 | Slope | 0.50 |
| | | | | Shrink-swell | 0.87 |
| 137: Lilcan----- | 60 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.70 | | |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| Jacanyon----- | 15 | Fair | | Poor | |
| | | Depth to bedrock | 0.90 | Depth to bedrock | 0.00 |
| | | Droughty | 0.97 | Slope | 0.00 |
| | | Water erosion | 0.99 | Shrink-swell | 0.87 |
| 138: Lilcan----- | 35 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Carbonate content | 0.54 | | |
| | | Cobble content | 0.70 | | |
| Watkins Ridge, dry----- | 35 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Low strength | 0.00 |
| | | Carbonate content | 0.84 | Slope | 0.32 |
| | | | | Shrink-swell | 0.91 |
| Jacanyon----- | 20 | Fair | | Poor | |
| | | Depth to bedrock | 0.90 | Depth to bedrock | 0.00 |
| | | Droughty | 0.97 | Slope | 0.00 |
| | | Water erosion | 0.99 | Shrink-swell | 0.87 |
| 139: Lonjon----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| Kucera----- | 20 | Fair | | Good | |
| | | Organic matter content low | 0.02 | | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.84 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 139: Sprollo----- | 15 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | Slope | 0.82 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| 140: Lonjon----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| Kucera, dry----- | 20 | Fair | | Good | |
| | | Organic matter content low | 0.02 | | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.84 | | |
| Sprollo, dry----- | 15 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| 141: Lonjon----- | 30 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| Monida----- | 25 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Carbonate content | 0.68 | | |
| | | Water erosion | 0.90 | | |
| Chokecherry----- | 20 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Cobble content | 0.11 | Cobble content | 0.86 |
| | | Organic matter content low | 0.50 | | |
| 142: Lonjon----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Slope | 0.00 |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 142: Mumford----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| Rock outcrop----- | 20 | Not rated | | Not rated | |
| 143: Lonjon----- | 40 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| Sheep Creek----- | 30 | Fair | | Poor | |
| | | Droughty | 0.22 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.50 | Slope | 0.00 |
| | | Depth to bedrock | 0.99 | Cobble content | 0.70 |
| | | | | Shrink-swell | 0.87 |
| Dipcreek----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Cobble content | 0.00 | Cobble content | 0.55 |
| | | Organic matter content low | 0.12 | | |
| 144: Lonjon----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Slope | 0.00 |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| Sprollo----- | 20 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| Mumford----- | 15 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| 145: Marshdale----- | 45 | Fair | | Poor | |
| | | Too acid | 0.95 | Wetness depth | 0.00 |
| | | | | Low strength | 0.00 |
| | | | | Shrink-swell | 0.92 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 145: Bloomcreek----- | 30 | Fair | | Fair | |
| | | Organic matter content low | 0.08 | Wetness depth | 0.24 |
| | | Too acid | 0.92 | | |
| 146: Merkley----- | 85 | Poor | | Good | |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.68 | | |
| 147: Millerditch----- | 60 | Fair | | Fair | |
| | | Sodium content | 0.60 | Wetness depth | 0.86 |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.90 | | |
| | | Carbonate content | 0.97 | | |
| Cookcan----- | 25 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Wetness depth | 0.01 |
| | | Carbonate content | 0.92 | | |
| | | Too sandy | 0.99 | | |
| | | Water erosion | 0.99 | | |
| 148: Mumford----- | 90 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | | |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| 149: Mumford----- | 60 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| Sprollow----- | 25 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| 150: Mumford----- | 60 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 150: Sprollow, dry----- | 25 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| 151: Mumford----- | 65 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| Sprollow, dry----- | 25 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| 152: Nielsen----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.50 |
| | | Cobble content | 0.02 | Cobble content | 0.77 |
| | | Organic matter content low | 0.50 | Shrink-swell | 0.82 |
| Dranburn----- | 20 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| Hagenbarth----- | 15 | Fair | | Poor | |
| | | Water erosion | 0.99 | Low strength | 0.00 |
| | | | | Slope | 0.50 |
| 153: North Beach----- | 100 | Poor | | Poor | |
| | | Wind erosion | 0.00 | Cobble content | 0.00 |
| | | Droughty | 0.27 | Wetness depth | 0.24 |
| | | Too sandy | 0.32 | | |
| | | Organic matter content low | 0.50 | | |
| | | Carbonate content | 0.68 | | |
| 154: Nuffer----- | 45 | Poor | | Fair | |
| | | Too alkaline | 0.00 | Wetness depth | 0.53 |
| | | Droughty | 0.02 | | |
| | | Organic matter content low | 0.12 | | |
| | | Carbonate content | 0.80 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 154: Blackotter----- | 35 | Poor | | Fair | |
| | | Too alkaline | 0.00 | Wetness depth | 0.01 |
| | | Carbonate content | 0.01 | | |
| | | Organic matter | 0.88 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |
| 155: Nythar----- | 75 | Fair | | Poor | |
| | | Organic matter | 0.50 | Wetness depth | 0.00 |
| | | content low | | Shrink-swell | 0.82 |
| Sagollow----- | 15 | Fair | | Fair | |
| | | Cobble content | 0.05 | Cobble content | 0.03 |
| | | Organic matter | 0.12 | Wetness depth | 0.68 |
| | | content low | | Shrink-swell | 0.72 |
| | | Too clayey | 0.92 | | |
| | | Water erosion | 0.99 | | |
| | | Too acid | 0.99 | | |
| 156: Ovidcreek----- | 75 | Poor | | Poor | |
| | | Too alkaline | 0.00 | Low strength | 0.00 |
| | | Sodium content | 0.00 | Shrink-swell | 0.76 |
| | | Carbonate content | 0.00 | | |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Water erosion | 0.68 | | |
| | | Too clayey | 0.82 | | |
| 157: Parding----- | 40 | Poor | | Fair | |
| | | Carbonate content | 0.00 | Slope | 0.50 |
| | | Too alkaline | 0.00 | | |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |
| Firading----- | 30 | Fair | | Poor | |
| | | Droughty | 0.08 | Depth to bedrock | 0.00 |
| | | Organic matter | 0.12 | Slope | 0.50 |
| | | content low | | Cobble content | 0.86 |
| | | Carbonate content | 0.26 | | |
| | | Depth to bedrock | 0.99 | | |
| Hagenbarth----- | 15 | Fair | | Poor | |
| | | Water erosion | 0.99 | Low strength | 0.00 |
| | | | | Slope | 0.50 |
| 158: Parding, dry----- | 40 | Poor | | Good | |
| | | Carbonate content | 0.00 | | |
| | | Too alkaline | 0.00 | | |
| | | Organic matter | 0.12 | | |
| | | content low | | | |
| | | Water erosion | 0.99 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|--|--------------------------------------|---|----------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 158: Firading, dry----- | 30 | Fair Droughty Organic matter content low Carbonate content Depth to bedrock | 0.08 0.12 0.26 0.99 | Poor Depth to bedrock Cobble content | 0.00 0.86 |
| Hagenbarth, dry----- | 15 | Fair Water erosion | 0.99 | Poor Low strength | 0.00 |
| 159: Pegram----- | 80 | Fair Too clayey | 0.92 | Fair Shrink-swell | 0.99 |
| 160: Pinegap----- | 50 | Poor Carbonate content Organic matter content low Droughty | 0.00 0.12 0.98 | Poor Slope Depth to bedrock | 0.00 0.92 |
| Lonjon----- | 35 | Poor Droughty Carbonate content Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.21 | Poor Slope Depth to bedrock | 0.00 0.00 |
| 161: Pinehollow----- | 45 | Fair Depth to bedrock Droughty Cobble content Too acid | 0.21 0.29 0.95 0.99 | Poor Depth to bedrock Shrink-swell Cobble content Slope | 0.00 0.89 0.91 0.92 |
| Ant Flat----- | 25 | Poor Too clayey Organic matter content low Carbonate content | 0.00 0.12 0.68 | Fair Shrink-swell | 0.67 |
| Sheep Creek----- | 20 | Fair Droughty Organic matter content low Depth to bedrock | 0.22 0.50 0.99 | Poor Depth to bedrock Cobble content Shrink-swell Slope | 0.00 0.70 0.87 0.92 |
| 162: Pits, gravel----- | 100 | Not rated | | Not rated | |
| 163: Pontuge----- | 45 | Fair Organic matter content low Carbonate content Droughty Water erosion | 0.12 0.46 0.99 0.99 | Fair Slope | 0.50 |
| Cokeville----- | 40 | Fair Organic matter content low Carbonate content | 0.12 0.32 | Fair Slope Shrink-swell Depth to bedrock | 0.50 0.70 0.95 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features |
| 164: Preussrange----- | 50 | Poor | | Poor |
| | | Droughty | 0.00 | Depth to bedrock |
| | | Carbonate content | 0.05 | Slope |
| | | Depth to bedrock | 0.16 | Cobble content |
| | | Organic matter content low | 0.88 | |
| | | Cobble content | 0.99 | |
| Halfcircle----- | 35 | Fair | | Poor |
| | | Carbonate content | 0.26 | Slope |
| | | Organic matter content low | 0.88 | Depth to bedrock |
| | | | | Low strength |
| 165: Prucree----- | 50 | Poor | | Poor |
| | | Droughty | 0.00 | Depth to bedrock |
| | | Depth to bedrock | 0.35 | |
| Dipcreek----- | 30 | Poor | | Poor |
| | | Droughty | 0.00 | Depth to bedrock |
| | | Depth to bedrock | 0.00 | Cobble content |
| | | Cobble content | 0.00 | |
| | | Organic matter content low | 0.12 | |
| 166: Raynal----- | 90 | Fair | | Fair |
| | | Water erosion | 0.90 | Shrink-swell |
| | | Too clayey | 0.92 | Wetness depth |
| 167: Raynal----- | 60 | Fair | | Fair |
| | | Water erosion | 0.90 | Shrink-swell |
| | | Too clayey | 0.92 | Wetness depth |
| Lago----- | 30 | Fair | | Poor |
| | | Carbonate content | 0.08 | Low strength |
| | | Organic matter content low | 0.12 | Wetness depth |
| | | Water erosion | 0.99 | Shrink-swell |
| 168: Ream----- | 55 | Fair | | Good |
| | | Organic matter content low | 0.12 | |
| | | Carbonate content | 0.68 | |
| | | Water erosion | 0.90 | |
| Merkley----- | 30 | Poor | | Good |
| | | Carbonate content | 0.00 | |
| | | Organic matter content low | 0.12 | |
| | | Water erosion | 0.68 | |
| 169: Redpine----- | 45 | Fair | | Poor |
| | | Depth to bedrock | 0.21 | Depth to bedrock |
| | | Droughty | 0.37 | Low strength |
| | | Organic matter content low | 0.50 | Slope |
| | | Carbonate content | 0.92 | Shrink-swell |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 169: Draney----- | 25 | Poor | | Poor | |
| | | Depth to bedrock | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | Slope | 0.50 |
| | | Carbonate content | 0.32 | Shrink-swell | 0.87 |
| Brushtop----- | 15 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Too clayey | 0.68 | Slope | 0.00 |
| | | | | Depth to bedrock | 0.07 |
| | | | | Shrink-swell | 0.90 |
| 170: Rexburg----- | 80 | Fair | | Good | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.80 | | |
| | | Organic matter content low | 0.88 | | |
| 171: Rexburg----- | 55 | Fair | | Good | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.80 | | |
| | | Organic matter content low | 0.88 | | |
| Iphil----- | 25 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| 172: Rexburg----- | 50 | Fair | | Good | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.80 | | |
| | | Organic matter content low | 0.88 | | |
| Iphil----- | 25 | Fair | | Good | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| 173: Rexburg----- | 65 | Fair | | Good | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.80 | | |
| | | Organic matter content low | 0.88 | | |
| Kucera----- | 25 | Fair | | Good | |
| | | Organic matter content low | 0.02 | | |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.84 | | |
| 174: Rexburg----- | 55 | Fair | | Good | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.80 | | |
| | | Organic matter content low | 0.88 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill |
|--------------------------------|---------------------------|---|---------------------------------------|
| | | Rating class and limiting features | Rating class and limiting features |
| 174: Kucera----- | 35 | Fair Organic matter content low Water erosion Carbonate content | Good 0.02 0.68 0.84 |
| 175: Rexburg----- | 60 | Fair Water erosion Carbonate content Organic matter content low | Fair Slope 0.37 0.80 0.88 |
| Kucera----- | 35 | Fair Organic matter content low Water erosion Carbonate content | Fair Slope 0.02 0.68 0.84 |
| 176: Rexburg----- | 55 | Fair Water erosion Carbonate content Organic matter content low | Good 0.37 0.80 0.88 |
| Ririe----- | 35 | Fair Water erosion Carbonate content Organic matter content low | Good 0.37 0.68 0.88 |
| 177: Rexburg----- | 50 | Fair Water erosion Carbonate content Organic matter content low | Good 0.37 0.80 0.88 |
| Ririe----- | 25 | Fair Water erosion Carbonate content Organic matter content low | Good 0.37 0.68 0.88 |
| 178: Rexburg----- | 50 | Fair Water erosion Carbonate content Organic matter content low | Good 0.37 0.80 0.88 |
| Ririe----- | 30 | Fair Water erosion Carbonate content Organic matter content low | Good 0.37 0.68 0.88 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|------------------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 179: Rexburg----- | 55 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.80 0.88 | Good | |
| Watercanyon----- | 30 | Poor Too alkaline Organic matter content low Water erosion Carbonate content | 0.00 0.12 0.37 0.68 | Good | |
| 180: Rexburg----- | 50 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.80 0.88 | Good | |
| Wursten----- | 40 | Fair Carbonate content Water erosion | 0.84 0.99 | Good | |
| 181: Richollow----- | 70 | Poor Droughty Depth to bedrock Carbonate content Cobble content | 0.00 0.00 0.68 0.89 | Poor Depth to bedrock Slope | 0.00 0.00 |
| Dranburn----- | 20 | Fair Organic matter content low Too clayey Too acid | 0.08 0.92 0.99 | Poor Slope Low strength | 0.00 0.78 |
| 182: Richollow----- | 55 | Poor Droughty Depth to bedrock Carbonate content Cobble content | 0.00 0.00 0.68 0.89 | Poor Depth to bedrock Slope | 0.00 0.32 |
| Ledgehollow----- | 30 | Poor Droughty Depth to bedrock Organic matter content low | 0.00 0.00 0.82 | Poor Depth to bedrock Shrink-swell | 0.00 0.82 |
| 183: Ririe----- | 40 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.68 0.88 | Good | |
| Iphil----- | 35 | Fair Water erosion Carbonate content | 0.68 0.68 | Good | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 184: Sadducee----- | 55 | Poor | | Poor | |
| | | Wind erosion | 0.00 | Wetness depth | 0.00 |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | Shrink-swell | 0.97 |
| | | Water erosion | 0.99 | | |
| Bearbeach----- | 45 | Poor | | Poor | |
| | | Droughty | 0.00 | Wetness depth | 0.00 |
| | | Too sandy | 0.03 | | |
| | | Organic matter content low | 0.12 | | |
| 185: Sheep Creek, dry----- | 40 | Fair | | Poor | |
| | | Droughty | 0.22 | Depth to bedrock | 0.00 |
| | | Organic matter content low | 0.50 | Slope | 0.00 |
| | | Depth to bedrock | 0.99 | Cobble content | 0.70 |
| | | | | Shrink-swell | 0.87 |
| Taylow, dry----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Too acid | 0.92 | Shrink-swell | 0.94 |
| Dry Canyon, dry----- | 20 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Slope | 0.00 |
| | | Too acid | 0.92 | Depth to bedrock | 0.82 |
| | | | | Shrink-swell | 0.87 |
| 186: Slight's----- | 65 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.02 | Shrink-swell | 0.02 |
| | | | | Slope | 0.50 |
| Dranburn----- | 20 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| 187: Springhollow----- | 45 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to cemented pan | 0.00 |
| | | Organic matter content low | 0.12 | Depth to bedrock | 0.00 |
| | | Droughty | 0.88 | | |
| | | Water erosion | 0.90 | | |
| | | Depth to bedrock | 0.93 | | |
| | | Depth to cemented pan | 0.94 | | |
| Arbone----- | 40 | Fair | | Good | |
| | | Organic matter content low | 0.88 | | |
| | | Water erosion | 0.90 | | |
| | | Carbonate content | 0.92 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|------------------|---|--|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 188: Springhollow, dry----- | 45 | Poor Carbonate content Organic matter content low Droughty Water erosion Depth to bedrock Depth to cemented pan | 0.00 0.12 0.88 0.90 0.93 0.94 | Poor Depth to cemented pan Depth to bedrock | 0.00 0.00 |
| Arbone, dry----- | 40 | Fair Organic matter content low Water erosion Carbonate content | 0.88 0.90 0.92 | Good | |
| 189: Sprollow----- | 55 | Poor Carbonate content Droughty Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.84 | Poor Slope Depth to bedrock | 0.00 0.00 |
| Lonjon----- | 25 | Poor Droughty Carbonate content Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.21 | Poor Slope Depth to bedrock | 0.00 0.00 |
| 190: Sprollow, dry----- | 55 | Poor Carbonate content Droughty Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.84 | Poor Slope Depth to bedrock | 0.00 0.00 |
| Lonjon----- | 25 | Poor Droughty Carbonate content Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.21 | Poor Slope Depth to bedrock | 0.00 0.00 |
| 191: Sprollow----- | 35 | Poor Carbonate content Droughty Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.84 | Poor Depth to bedrock Slope | 0.00 0.08 |
| Lonjon----- | 30 | Poor Droughty Carbonate content Organic matter content low Depth to bedrock | 0.00 0.00 0.12 0.21 | Poor Depth to bedrock Slope | 0.00 0.08 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|----------------------------|------------------|--|-------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 191: Mumford----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.08 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| 192: Sprollow, dry----- | 35 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | Slope | 0.08 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| Lonjon----- | 30 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.08 |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| Mumford----- | 25 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | Slope | 0.08 |
| | | Depth to bedrock | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| 193: Sprollow----- | 40 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Depth to bedrock | 0.00 |
| | | Droughty | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.84 | | |
| Wursten----- | 25 | Fair | | Good | |
| | | Carbonate content | 0.84 | | |
| | | Water erosion | 0.99 | | |
| Lonjon----- | 15 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Carbonate content | 0.00 | | |
| | | Organic matter content low | 0.12 | | |
| | | Depth to bedrock | 0.21 | | |
| 194: Streek----- | 50 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Shrink-swell | 0.13 |
| | | Too acid | 0.97 | | |
| Cleavage----- | 35 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.18 | Slope | 0.50 |
| | | | | Shrink-swell | 0.87 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 195: | | | | | |
| Streek, moist----- | 40 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Shrink-swell | 0.13 |
| | | Too acid | 0.97 | | |
| Streek----- | 25 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Shrink-swell | 0.13 |
| | | Too acid | 0.97 | | |
| Swanpeak----- | 25 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| 196: | | | | | |
| Streek----- | 45 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Shrink-swell | 0.13 |
| | | Too acid | 0.97 | | |
| Swanpeak----- | 35 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| 197: | | | | | |
| Streek----- | 35 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Organic matter content low | 0.12 | Shrink-swell | 0.13 |
| | | Too acid | 0.97 | | |
| Swanpeak----- | 35 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| Sagollow----- | 25 | Fair | | Fair | |
| | | Cobble content | 0.05 | Cobble content | 0.03 |
| | | Organic matter content low | 0.12 | Wetness depth | 0.68 |
| | | Too clayey | 0.92 | Shrink-swell | 0.72 |
| | | Water erosion | 0.99 | | |
| | | Too acid | 0.99 | | |
| 198: | | | | | |
| Suryon----- | 90 | Good | | Good | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 199: | | | | | |
| Swan Flat----- | 65 | Fair | | Poor | |
| | | Organic matter content low | 0.02 | Slope | 0.00 |
| | | Carbonate content | 0.68 | Cobble content | 0.67 |
| | | Cobble content | 0.98 | | |
| Dranburn----- | 20 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Slope | 0.00 |
| | | Too clayey | 0.92 | Low strength | 0.78 |
| | | Too acid | 0.99 | | |
| 200: | | | | | |
| Swanpeak----- | 85 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| 201: | | | | | |
| Swanpeak----- | 60 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| Ant Flat----- | 25 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.67 |
| | | Organic matter content low | 0.12 | | |
| | | Carbonate content | 0.68 | | |
| 202: | | | | | |
| Swanpeak----- | 50 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | | |
| Cloudless----- | 30 | Fair | | Poor | |
| | | Organic matter content low | 0.02 | Low strength | 0.00 |
| | | Water erosion | 0.99 | Shrink-swell | 0.82 |
| 203: | | | | | |
| Swanpeak----- | 70 | Poor | | Poor | |
| | | Too clayey | 0.00 | Slope | 0.00 |
| | | Stone content | 0.81 | Shrink-swell | 0.22 |
| | | Cobble content | 0.83 | Cobble content | 0.63 |
| | | Organic matter content low | 0.88 | Low strength | 0.78 |
| Dutchcanyon----- | 20 | Poor | | Poor | |
| | | Carbonate content | 0.00 | Slope | 0.00 |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.90 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 204: | | | | | |
| Swanpeak----- | 45 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.22 |
| | | Stone content | 0.81 | Cobble content | 0.63 |
| | | Cobble content | 0.83 | Low strength | 0.78 |
| | | Organic matter content low | 0.88 | Slope | 0.98 |
| Dutchcanyon----- | 30 | Poor | | Fair | |
| | | Carbonate content | 0.00 | Slope | 0.98 |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.90 | | |
| Ant Flat----- | 25 | Poor | | Fair | |
| | | Too clayey | 0.00 | Shrink-swell | 0.67 |
| | | Organic matter content low | 0.12 | Slope | 0.98 |
| | | Carbonate content | 0.68 | | |
| 205: | | | | | |
| Thatcher----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Low strength | 0.00 |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| 206: | | | | | |
| Thatcher, dry----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Low strength | 0.00 |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| 207: | | | | | |
| Thatcher----- | 50 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Low strength | 0.00 |
| | | Water erosion | 0.68 | Slope | 0.98 |
| | | Carbonate content | 0.68 | | |
| Church Springs----- | 40 | Fair | | Poor | |
| | | Organic matter content low | 0.08 | Low strength | 0.00 |
| | | Carbonate content | 0.68 | Shrink-swell | 0.87 |
| | | Water erosion | 0.90 | | |
| | | Too clayey | 0.92 | | |
| 208: | | | | | |
| Thatcher----- | 80 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Low strength | 0.00 |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| Clegg----- | 20 | Fair | | Good | |
| | | Organic matter content low | 0.12 | | |
| | | Carbonate content | 0.68 | | |
| | | Too clayey | 0.98 | | |
| | | Water erosion | 0.99 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 209: Thatcher----- | 60 | Fair | | Poor | |
| | | Organic matter content low | 0.50 | Low strength | 0.00 |
| | | Water erosion | 0.68 | | |
| | | Carbonate content | 0.68 | | |
| Joes----- | 25 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.68 | | |
| | | Water erosion | 0.90 | | |
| 210: Thatcherflats----- | 75 | Poor | | Poor | |
| | | Sodium content | 0.00 | Low strength | 0.00 |
| | | Too alkaline | 0.00 | Shrink-swell | 0.99 |
| | | Organic matter content low | 0.12 | | |
| | | Water erosion | 0.37 | | |
| | | Carbonate content | 0.46 | | |
| 211: Thomasfork----- | 95 | Fair | | Poor | |
| | | Too clayey | 0.18 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | Wetness depth | 0.06 |
| | | Water erosion | 0.99 | Shrink-swell | 0.45 |
| 212: Toponce----- | 50 | Poor | | Poor | |
| | | Too clayey | 0.00 | Low strength | 0.00 |
| | | Too acid | 0.84 | Shrink-swell | 0.12 |
| | | Organic matter content low | 0.88 | Slope | 0.18 |
| | | Water erosion | 0.99 | | |
| Bailcreek----- | 40 | Poor | | Poor | |
| | | Too clayey | 0.00 | Cobble content | 0.00 |
| | | Cobble content | 0.13 | Low strength | 0.00 |
| | | Organic matter content low | 0.88 | Slope | 0.18 |
| | | Too acid | 0.99 | Shrink-swell | 0.24 |
| 213: Tubbs Hollow----- | 50 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.16 | Cobble content | 0.55 |
| | | Cobble content | 0.44 | Slope | 0.98 |
| | | Organic matter content low | 0.50 | Stones | 0.99 |
| | | Stone content | 0.76 | | |
| | | Too acid | 0.99 | | |
| Dry Canyon, dry----- | 35 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Depth to bedrock | 0.82 |
| | | Too acid | 0.92 | Shrink-swell | 0.87 |
| | | | | Slope | 0.98 |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|--------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 214: Vicking----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | | |
| | | Too clayey | 0.99 | | |
| 215: Vicking----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | | |
| | | Too clayey | 0.99 | | |
| 216: Vicking----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | | |
| | | Too clayey | 0.99 | | |
| 217: Vicking, dry----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | | |
| | | Too clayey | 0.99 | | |
| 218: Vicking, dry----- | 85 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | | |
| | | Too clayey | 0.99 | | |
| 219: Vicking----- | 55 | Fair | | Poor | |
| | | Organic matter content low | 0.12 | Low strength | 0.00 |
| | | Carbonate content | 0.92 | Slope | 0.50 |
| | | Too clayey | 0.99 | | |
| Cokeville----- | 35 | Fair | | Fair | |
| | | Organic matter content low | 0.12 | Slope | 0.50 |
| | | Carbonate content | 0.32 | Shrink-swell | 0.70 |
| | | | | Depth to bedrock | 0.95 |
| 220: Vipont----- | 55 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.01 | Slope | 0.00 |
| | | Stone content | 0.02 | Cobble content | 0.64 |
| | | Cobble content | 0.10 | Shrink-swell | 0.87 |
| | | | | Stones | 0.88 |
| Dipcreek----- | 30 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.00 | Slope | 0.00 |
| | | Cobble content | 0.00 | Cobble content | 0.55 |
| | | Organic matter content low | 0.12 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | Potential source of roadfill | | |
|-----------------------------------|---------------------------|---|---------------------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 221: Vipont----- | 50 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.01 | Slope | 0.00 |
| | | Stone content | 0.02 | Cobble content | 0.64 |
| | | Cobble content | 0.10 | Shrink-swell | 0.87 |
| | | | | Stones | 0.88 |
| Prucree----- | 35 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.35 | Slope | 0.00 |
| 222: Vipont----- | 55 | Poor | | Poor | |
| | | Droughty | 0.00 | Depth to bedrock | 0.00 |
| | | Depth to bedrock | 0.01 | Slope | 0.00 |
| | | Stone content | 0.02 | Cobble content | 0.64 |
| | | Cobble content | 0.10 | Shrink-swell | 0.87 |
| | | | | Stones | 0.88 |
| Suryon----- | 35 | Good | | Poor | |
| | | | | Slope | 0.00 |
| 223: Warshod----- | 45 | Fair | | Poor | |
| | | Droughty | 0.29 | Slope | 0.00 |
| | | | | Depth to bedrock | 0.23 |
| Slan----- | 35 | Fair | | Poor | |
| | | Droughty | 0.30 | Depth to bedrock | 0.00 |
| | | Organic matter | 0.50 | Slope | 0.00 |
| | | content low | | Shrink-swell | 0.98 |
| | | Depth to bedrock | 0.71 | | |
| | | Carbonate content | 0.74 | | |
| 224: Warshod, dry----- | 55 | Fair | | Fair | |
| | | Droughty | 0.29 | Depth to bedrock | 0.23 |
| | | | | Slope | 0.92 |
| Slan, dry----- | 35 | Fair | | Poor | |
| | | Droughty | 0.30 | Depth to bedrock | 0.00 |
| | | Organic matter | 0.50 | Slope | 0.92 |
| | | content low | | Shrink-swell | 0.98 |
| | | Depth to bedrock | 0.71 | | |
| | | Carbonate content | 0.74 | | |
| 225: Water----- | 100 | Not rated | | Not rated | |
| 226: Water, miscellaneous----- | 100 | Not rated | | Not rated | |
| 227: Watkins Ridge, dry----- | 85 | Fair | | Poor | |
| | | Organic matter | 0.50 | Low strength | 0.00 |
| | | content low | | Shrink-swell | 0.91 |
| | | Carbonate content | 0.84 | | |
| 228: Wursten----- | 75 | Fair | | Good | |
| | | Carbonate content | 0.84 | | |
| | | Water erosion | 0.99 | | |

Soil Survey of Bear Lake County Area, Idaho

Source of Reclamation Material and Roadfill--Continued

| Map symbol and soil name | Pct. of map unit | Potential source of reclamation material | | Potential source of roadfill | |
|--------------------------------|---------------------------|---|------------------------------|---------------------------------------|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 229: Wursten----- | 80 | Fair Carbonate content Water erosion | 0.84 0.99 | Good | |
| 230: Wursten----- | 80 | Fair Carbonate content Water erosion | 0.84 0.99 | Good | |
| 231: Wursten, dry----- | 85 | Fair Carbonate content Water erosion | 0.84 0.99 | Good | |
| 232: Wursten----- | 50 | Fair Carbonate content Water erosion | 0.84 0.99 | Fair Slope | 0.92 |
| Bearhollow----- | 30 | Fair Organic matter content low Carbonate content Water erosion Sodium content | 0.12 0.16 0.90 0.97 | Poor Low strength Slope | 0.00 0.92 |
| 233: Wursten----- | 55 | Fair Carbonate content Water erosion | 0.84 0.99 | Good | |
| Rexburg----- | 30 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.80 0.88 | Good | |
| 234: Wursten----- | 45 | Fair Carbonate content Water erosion | 0.84 0.99 | Fair Slope | 0.98 |
| Rexburg----- | 35 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.80 0.88 | Fair Slope | 0.98 |
| 235: Wursten, dry----- | 45 | Fair Carbonate content Water erosion | 0.84 0.99 | Good | |
| Rexburg, dry----- | 35 | Fair Water erosion Carbonate content Organic matter content low | 0.37 0.80 0.88 | Good | |

Soil Survey of Bear Lake County Area, Idaho

Taxonomic Classification of the Soils

| Soil name | Family or higher taxonomic class |
|---------------------|--|
| Ant Flat----- | Fine, smectitic, frigid Calcic Argixerolls |
| Arbone----- | Coarse-loamy, mixed, superactive, frigid Calcic Haploxerolls |
| Bailcreek----- | Clayey-skeletal, smectitic Vertic Argicryolls |
| Bancroft----- | Fine-silty, mixed, superactive, frigid Calcic Argixerolls |
| Bear Lake----- | Fine-silty, mixed, superactive, frigid Typic Calciaquolls |
| Bearbeach----- | Sandy-skeletal, mixed, frigid Typic Endoaquepts |
| Bearbou----- | Fine, smectitic, frigid Typic Endoaquolls |
| Bearhollow----- | Coarse-loamy, mixed, superactive, frigid Typic Calcixerpts |
| Beehunt----- | Loamy-skeletal, mixed, superactive, frigid Pachic Haploxerolls |
| Benning----- | Fine-loamy, mixed, superactive, frigid Pachic Calcixerolls |
| Bern----- | Fine-silty, mixed, superactive, frigid Oxyaquic Calcixerolls |
| Bezzant----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls |
| Bischoff----- | Fine, smectitic Pachic Argicryolls |
| Blackotter----- | Coarse-loamy over sandy or sandy-skeletal, mixed, superactive, frigid Aeric Calciaquolls |
| Bloomcreek----- | Coarse-loamy, mixed, superactive, frigid Fluvaquentic Haploxerolls |
| Bloomington----- | Fine-silty, mixed, superactive, calcareous, frigid Cumulic Endoaquolls |
| Boundridge----- | Loamy-skeletal, mixed, superactive, shallow Typic Duricryolls |
| Boyd hollow----- | Loamy-skeletal, mixed, superactive Pachic Haplocryolls |
| Brifox----- | Fine, smectitic, frigid Chromic Calcixererts |
| Broadhead----- | Fine, smectitic, frigid Pachic Argixerolls |
| Brushtop----- | Fine-loamy, mixed, superactive Pachic Argicryolls |
| Buist----- | Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls |
| Burchert----- | Fine-loamy, mixed, superactive, frigid Calcic Pachic Argixerolls |
| Cadero----- | Ashy, glassy Vitrandic Haplocryolls |
| Causey----- | Fine-loamy, mixed, superactive, frigid Calcic Haploxerolls |
| Cedarhill----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls |
| Chausse----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerpts |
| Chesbrook----- | Fine-silty, carbonatic, frigid Typic Calciaquolls |
| Chinhill----- | Coarse-loamy, mixed, superactive, frigid Pachic Calcixerolls |
| Chokecherry----- | Loamy-skeletal, mixed, superactive Lithic Haplocryolls |
| Church Springs----- | Fine-silty, mixed, superactive, frigid Typic Calcixerolls |
| Cleavage----- | Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls |
| Clegg----- | Fine-loamy, mixed, superactive, frigid Calcic Pachic Argixerolls |
| Cloudless----- | Fine-loamy, mixed, superactive, frigid Typic Argixerolls |
| Cokeville----- | Fine-loamy, mixed, superactive, frigid Calcic Haploxeralfs |
| Cockcan----- | Coarse-loamy, mixed, superactive, frigid Aeric Calciaquolls |
| Cooley----- | Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls |
| Crossley----- | Loamy-skeletal, mixed, superactive, frigid Lithic Calcixerpts |
| Cupine----- | Loamy-skeletal, mixed, superactive, frigid Typic Haploxerolls |
| Cutoff----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerpts |
| Dennot----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls |
| Dingle----- | Loamy, mixed, euic, frigid Terric Haplosaprists |
| Dinswamp----- | Fine-silty, mixed, superactive, calcareous, frigid Histic Humaquepts |
| Dipcreek----- | Loamy-skeletal, mixed, superactive, frigid Lithic Haploxerolls |
| Dirtyhead----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerpts |
| Dollarhide----- | Loamy-skeletal, mixed, superactive Lithic Haplocryolls |
| Drage----- | Loamy-skeletal, mixed, superactive, frigid Calcic Argixerolls |
| Dranburn----- | Fine-loamy, mixed, superactive Pachic Argicryolls |
| Draney----- | Loamy, mixed, superactive, frigid, shallow Typic Calcixerolls |
| Dranyon----- | Fine-loamy, mixed, superactive Pachic Argicryolls |
| Dry Canyon----- | Fine-loamy, mixed, superactive, frigid Typic Argixerolls |
| Dunford----- | Fine-loamy, mixed, superactive, frigid Pachic Argixerolls |
| Dutchcanyon----- | Coarse-loamy, carbonatic, frigid Typic Calcixerolls |
| Every----- | Fine-loamy, mixed, superactive, frigid Typic Haploxeralfs |
| Falula----- | Loamy-skeletal, mixed, superactive, frigid Lithic Haploxerolls |
| Firading----- | Loamy-skeletal, mixed, superactive Calcic Pachic Haplocryolls |
| Fishaven----- | Coarse-loamy, carbonatic, frigid Typic Calcixerolls |
| Frenchollow----- | Fine, smectitic, frigid Typic Haploxererts |
| Fury----- | Fine-silty, mixed, superactive, frigid Cumulic Endoaquolls |
| Georgecanyon----- | Loamy-skeletal, mixed, superactive, frigid Typic Calcixerolls |
| Grecan----- | Fine, smectitic, frigid Calcic Pachic Argixerolls |
| Grunder----- | Fine-loamy, mixed, superactive Xeric Argicryolls |
| Hades----- | Fine-loamy, mixed, superactive, frigid Pachic Argixerolls |
| Hagenbarth----- | Fine-loamy, mixed, superactive Pachic Argicryolls |
| Halfcircle----- | Fine-silty, mixed, superactive Calcic Pachic Argicryolls |

Soil Survey of Bear Lake County Area, Idaho

Taxonomic Classification of the Soils--Continued

| Soil name | Family or higher taxonomic class |
|--------------------|---|
| Hoopgobel----- | Fine-loamy, mixed, superactive Pachic Argicryolls |
| Horrocks----- | Loamy-skeletal, mixed, superactive, frigid Typic Argixerolls |
| Hutchley----- | Loamy-skeletal, mixed, superactive, frigid Lithic Argixerolls |
| Iphil----- | Coarse-silty, mixed, superactive, frigid Typic Calcixerolls |
| Ireland----- | Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls |
| Jacanyon----- | Fine-loamy, mixed, superactive, frigid Typic Argixerolls |
| Jebo----- | Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls |
| Joes----- | Fine-silty, mixed, superactive, frigid Typic Calcixerolls |
| Kucera----- | Coarse-silty, mixed, superactive, frigid Calcic Pachic Haploxerolls |
| La Roco----- | Fine-silty, carbonatic, frigid Oxyaquic Calcixerolls |
| Lag----- | Loamy-skeletal, mixed, superactive Xeric Haplocryolls |
| Lago----- | Fine-silty, mixed, superactive, frigid Aquic Calcixerolls |
| Lanoak----- | Fine-silty, mixed, superactive, frigid Pachic Haploxerolls |
| Ledgehollow----- | Loamy, mixed, superactive, shallow Xeric Argicryolls |
| Leftfork----- | Fine, smectitic, frigid Typic Argixerolls |
| Lilcan----- | Loamy-skeletal, mixed, superactive, frigid Lithic Calcixerolls |
| Lizdale----- | Loamy-skeletal, carbonatic, frigid Typic Calcixerolls |
| Lonjon----- | Loamy-skeletal, carbonatic, frigid Typic Calcixerolls |
| Marshdale----- | Fine-loamy, mixed, superactive, frigid Cumulic Endoaquolls |
| Merkley----- | Coarse-silty, mixed, superactive, frigid Typic Calcixerolls |
| Millerditch----- | Coarse-loamy, mixed, superactive, frigid Aquic Calcixerolls |
| Monida----- | Fine-loamy, mixed, superactive Calcic Argicryolls |
| Mumford----- | Loamy-skeletal, carbonatic, frigid Lithic Calcixerolls |
| Nielsen----- | Loamy-skeletal, mixed, superactive Lithic Argicryolls |
| Niter----- | Fine, smectitic, frigid Typic Calcixerolls |
| North Beach----- | Sandy-skeletal over loamy, mixed, superactive, calcareous, frigid Aquic Xerorthents |
| Nuffer----- | Loamy-skeletal, mixed, superactive, frigid Aquic Calcixerolls |
| Nythar----- | Fine-loamy, mixed, superactive, frigid Cumulic Endoaquolls |
| Ovidcreek----- | Fine-silty, mixed, superactive, frigid Aquic Natrixerolls |
| Parding----- | Coarse-loamy, mixed, superactive Calcic Haplocryolls |
| Pavohroo----- | Fine-loamy, mixed, superactive Pachic Haplocryolls |
| Pegram----- | Fine-loamy, mixed, superactive, frigid Calcic Argixerolls |
| Pinegap----- | Fine-loamy, mixed, superactive, frigid Typic Calcixerolls |
| Pinehollow----- | Fine-loamy, mixed, superactive, frigid Calcic Argixerolls |
| Pontuge----- | Fine-loamy, mixed, superactive Pachic Argicryolls |
| Poulridge----- | Fine-loamy over sandy or sandy-skeletal, mixed, superactive Xeric Argicryolls |
| Preuss----- | Loamy-skeletal, carbonatic, frigid Typic Calcixerolls |
| Preussrange----- | Loamy-skeletal, mixed, superactive, frigid Calcic Haploxerolls |
| Prucree----- | Coarse-loamy, mixed, superactive, frigid Pachic Haploxerolls |
| Raynal----- | Fine-silty, mixed, superactive, frigid Aquic Cumulic Haploxerolls |
| Ream----- | Coarse-loamy, mixed, superactive, frigid Typic Calcixerolls |
| Redpine----- | Fine-loamy, mixed, superactive, frigid Calcic Argixerolls |
| Rexburg----- | Coarse-silty, mixed, superactive, frigid Calcic Haploxerolls |
| Richlow----- | Loamy-skeletal, mixed, superactive Lithic Calcicryolls |
| Ririe----- | Coarse-silty, mixed, superactive, frigid Calcic Haploxerolls |
| Sadducee----- | Fine-loamy, mixed, superactive, calcareous, frigid Typic Endoaquolls |
| Sagollow----- | Loamy-skeletal, mixed, superactive, frigid Oxyaquic Argixerolls |
| Sheep Creek----- | Loamy-skeletal, mixed, superactive, frigid Calcic Argixerolls |
| Slan----- | Fine-loamy, mixed, superactive, frigid Calcic Haploxerolls |
| Slights----- | Fine, smectitic Vertic Argicryolls |
| Springhollow----- | Coarse-loamy, carbonatic, frigid Haplic Haploxerollic Durixerolls |
| Sprowlow----- | Loamy-skeletal, carbonatic, frigid Typic Calcixerolls |
| Streek----- | Fine, smectitic, frigid Vertic Argixerolls |
| Suryon----- | Coarse-loamy, mixed, superactive, frigid Pachic Haploxerolls |
| Swan Flat----- | Loamy-skeletal, mixed, superactive Xeric Calcicryolls |
| Swanpeak----- | Clayey-skeletal, smectitic, frigid Vertic Argixerolls |
| Sweetcreek----- | Fine-loamy, mixed, superactive Xeric Haplocryolls |
| Taylor----- | Loamy, mixed, superactive, frigid Lithic Haploxerolls |
| Thatcher----- | Fine-silty, mixed, superactive, frigid Calcic Argixerolls |
| Thatcherflats----- | Fine-silty, mixed, superactive, frigid Typic Natrixerolls |
| Thomasfork----- | Fine, smectitic, frigid Fluvaquentic Vertic Endoaquolls |
| Toponce----- | Fine, smectitic Vertic Argicryolls |
| Tubbs Hollow----- | Loamy-skeletal, mixed, superactive Xeric Haplocryolls |
| Vicking----- | Fine-loamy, mixed, superactive, frigid Calcic Argixerolls |
| Vipont----- | Loamy-skeletal, mixed, superactive, frigid Pachic Argixerolls |

Soil Survey of Bear Lake County Area, Idaho

Taxonomic Classification of the Soils--Continued

| Soil name | Family or higher taxonomic class |
|--------------------|---|
| Vitale----- | Loamy-skeletal, mixed, superactive, frigid Typic Argixerolls |
| Warshod----- | Loamy-skeletal, mixed, superactive, frigid Typic Haploxerolls |
| Watercanyon----- | Coarse-silty, mixed, superactive, frigid Typic Calcixerolls |
| Watkins Ridge----- | Fine-loamy, mixed, superactive, frigid Typic Calcixerolls |
| Whitetop----- | Ashy, glassy, frigid, shallow Vitrandic Haploxerolls |
| Wursten----- | Coarse-loamy, mixed, superactive, frigid Typic Calcixerolls |
| Zeebar----- | Loamy-skeletal, mixed, superactive Xeric Argicryolls |

Soil Survey of Bear Lake County Area, Idaho

Temperature and Precipitation

(Recorded in the period 1961 through 1990 at Montpelier Ranger Station, ID6053)

| Month | Temperature (degrees F) | | | | | Precipitation (inches) | | | | | |
|---------------|-----------------------------|-----------------------------|---------|---------------------------------------|--------------------------------------|--|---------|-----------------------------|--------------|---|---------------------|
| | Average daily maximum | Average daily minimum | Average | 2 years in 10 will have— | | Average number of growing- degree days* | Average | 2 years in 10 will have— | | Average number of days with 0.10 or more | Average Snowfall |
| | | | | Maximum temperature higher than | Minimum temperature lower than | | | less than | more than | | |
| January----- | 29.5 | 6.4 | 17.9 | 48 | -24 | 0 | 1.27 | 0.51 | 1.92 | 4 | 12.1 |
| February----- | 33.9 | 8.5 | 21.2 | 53 | -20 | 1 | 1.15 | 0.68 | 1.57 | 4 | 10.5 |
| March----- | 40.5 | 15.9 | 28.2 | 61 | -9 | 5 | 1.24 | 0.73 | 1.69 | 3 | 7.8 |
| April----- | 52.1 | 26.2 | 39.2 | 74 | 8 | 78 | 1.26 | 0.52 | 1.88 | 4 | 4.1 |
| May----- | 63.7 | 34.2 | 48.9 | 82 | 18 | 281 | 1.40 | 0.81 | 1.92 | 5 | 0.9 |
| June----- | 73.7 | 41.4 | 57.5 | 91 | 27 | 509 | 1.47 | 0.52 | 2.26 | 4 | 0.0 |
| July----- | 84.2 | 47.4 | 65.8 | 95 | 35 | 776 | 0.87 | 0.20 | 1.39 | 2 | 0.0 |
| August----- | 83.0 | 45.2 | 64.1 | 95 | 30 | 721 | 0.96 | 0.37 | 1.52 | 2 | 0.0 |
| September---- | 71.6 | 36.0 | 53.8 | 89 | 19 | 409 | 1.35 | 0.35 | 2.15 | 3 | 0.3 |
| October----- | 59.6 | 26.9 | 43.3 | 79 | 11 | 159 | 1.13 | 0.51 | 1.82 | 3 | 1.9 |
| November----- | 42.4 | 18.5 | 30.5 | 64 | -5 | 13 | 1.13 | 0.43 | 1.72 | 4 | 7.9 |
| December----- | 31.5 | 8.9 | 20.2 | 50 | -21 | 0 | 1.21 | 0.49 | 1.82 | 4 | 12.7 |
| Yearly: | | | | | | | | | | | |
| Average---- | 55.5 | 26.3 | 40.9 | — | — | — | — | — | — | — | — |
| Extreme----- | 99.0 | -34.0 | — | 96 | -28 | — | — | — | — | — | — |
| Total----- | — | — | — | — | — | 2,952 | 14.44 | 9.94 | 16.76 | 42 | 58.3 |

* A growing-degree day is a unit of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (40 degrees F).

Soil Survey of Bear Lake County Area, Idaho

Water Features

(See "Soil Properties" for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 1: Ant Flat----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 2: Ant Flat----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 3: Ant Flat----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 4: Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 5: Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 6: Arbone, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 7: Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 8: Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 9: Arbone, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Wursten, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 10: Bailcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 11: Bailcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Toponce----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|-----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 12: Bancroft----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 13: Bancroft----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 14: Bancroft----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 15: Bear Lake----- | C/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | 10-18 | >72 | — | — | None | — | Rare |
| | | July | 10-18 | >72 | — | — | None | — | None |
| | | August | 10-18 | >72 | — | — | None | — | None |
| | | September | 10-18 | >72 | — | — | None | — | None |
| | | October | 10-18 | >72 | — | — | None | — | None |
| | | November | 10-18 | >72 | — | — | None | — | None |
| | | December | 10-18 | >72 | — | — | None | — | None |
| Bear Lake, ponded----- | C/D | January | 0-10 | >72 | 0-24 | Very long | Frequent | — | None |
| | | February | 0-10 | >72 | 0-24 | Very long | Frequent | — | None |
| | | March | 0-10 | >72 | 0-24 | Very long | Frequent | — | None |
| | | April | 0-10 | >72 | 0-24 | Very long | Frequent | — | Rare |
| | | May | 0-10 | >72 | 0-24 | Very long | Frequent | — | Rare |
| | | June | 0-10 | >72 | 0-24 | Very long | Frequent | — | Rare |
| | | July | 0-10 | >72 | 0-24 | Very long | Frequent | — | None |
| | | August | 0-10 | >72 | 0-24 | Very long | Frequent | — | None |
| | | September | 0-10 | >72 | — | — | — | — | None |
| | | October | 0-10 | >72 | — | — | — | — | None |
| | | November | 0-10 | >72 | — | — | — | — | None |
| | | December | 0-10 | >72 | — | — | — | — | None |
| 16: Bear Lake----- | C/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | 10-18 | >72 | — | — | None | — | Rare |
| | | July | 10-18 | >72 | — | — | None | — | None |
| | | August | 10-18 | >72 | — | — | None | — | None |
| | | September | 10-18 | >72 | — | — | None | — | None |
| | | October | 10-18 | >72 | — | — | None | — | None |
| | | November | 10-18 | >72 | — | — | None | — | None |
| | | December | 10-18 | >72 | — | — | None | — | None |
| Chesbrook----- | C/D | April | 8-25 | >72 | — | — | None | — | Rare |
| | | May | 8-25 | >72 | — | — | None | — | Rare |
| | | June | 8-25 | >72 | — | — | None | — | Rare |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 16: La Roco----- | C | February | 30-40 | >72 | — | — | None | — | None |
| | | March | 30-40 | >72 | — | — | None | — | None |
| | | April | 30-40 | >72 | — | — | None | — | Rare |
| | | May | 30-40 | >72 | — | — | None | — | Rare |
| | | June | 30-40 | >72 | — | — | None | — | Rare |
| | | July | 30-40 | >72 | — | — | None | — | None |
| 17: Bear Lake----- | C/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | 10-18 | >72 | — | — | None | — | Rare |
| | | July | 10-18 | >72 | — | — | None | — | None |
| | | August | 10-18 | >72 | — | — | None | — | None |
| | | September | 10-18 | >72 | — | — | None | — | None |
| | | October | 10-18 | >72 | — | — | None | — | None |
| | | November | 10-18 | >72 | — | — | None | — | None |
| | | December | 10-18 | >72 | — | — | None | — | None |
| Lago----- | C/D | February | 20-40 | >72 | — | — | None | — | None |
| | | March | 20-40 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | Rare |
| | | May | 20-40 | >72 | — | — | None | — | Rare |
| | | June | 20-40 | >72 | — | — | None | — | Rare |
| | | July | 20-40 | >72 | — | — | None | — | None |
| | | August | 20-40 | >72 | — | — | None | — | None |
| 18: Bearbou----- | C/D | January | 9-15 | >72 | — | — | None | — | None |
| | | February | 9-15 | >72 | — | — | None | — | None |
| | | March | 9-15 | >72 | — | — | None | — | Rare |
| | | April | 9-15 | >72 | — | — | None | — | Rare |
| | | May | 9-15 | >72 | — | — | None | — | Rare |
| | | June | 9-15 | >72 | — | — | None | — | None |
| | | July | 15-25 | >72 | — | — | None | — | None |
| | | August | 25-31 | >72 | — | — | None | — | None |
| | | September | 25-31 | >72 | — | — | None | — | None |
| | | October | 25-31 | >72 | — | — | None | — | None |
| | | November | 10-20 | >72 | — | — | None | — | None |
| | | December | 9-15 | >72 | — | — | None | — | None |
| 19: Bearhollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Brifox----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 20: Bearhollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Brifox----- | D | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|-----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 20: Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 21: Benning----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 22: Bern----- | C | February | 30-40 | >72 | — | — | None | — | None |
| | | March | 30-40 | >72 | — | — | None | — | None |
| | | April | 30-40 | >72 | — | — | None | — | None |
| | | May | 30-40 | >72 | — | — | None | — | None |
| | | June | 30-40 | >72 | — | — | None | — | None |
| | | July | 30-40 | >72 | — | — | None | — | None |
| 23: Bezzant----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 24: Bezzant----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 25: Bischoff----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 26: Bloomington----- | C/D | January | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | February | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | March | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | April | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | May | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | June | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | July | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | August | 0-10 | >72 | — | — | None | — | None |
| | | September | 0-10 | >72 | — | — | None | — | None |
| | | October | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | November | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| | | December | 0-10 | >72 | 0-12 | Very long | Frequent | — | None |
| 27: Boundridge----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Sweetcreek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 28: Boyd hollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Slan----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 28: Cokeville----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 29: Brifox----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Lizdale----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 30: Brifox----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Niter----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 31: Brifox----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Niter----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 32: Broadhead----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 33: Broadhead----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 34: Broadhead----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Hades----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 35: Buist----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 36: Buist----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 37: Buist, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 38: Buist----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 39: Buist----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 40: Burchert----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Whitetop----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 41: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 42: Cedarhill, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 43: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Bearhollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 44: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Buist----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 45: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Burchert----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 46: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 47: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Drage----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 48: Cedarhill, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Pinehollow, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 49: Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 50: Chesbrook----- | C/D | April | 8-25 | >72 | — | — | None | — | Rare |
| | | May | 8-25 | >72 | — | — | None | — | Rare |
| | | June | 8-25 | >72 | — | — | None | — | Rare |
| Bear Lake----- | C/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | 10-18 | >72 | — | — | None | — | Rare |
| | | July | 10-18 | >72 | — | — | None | — | None |
| | | August | 10-18 | >72 | — | — | None | — | None |
| | | September | 10-18 | >72 | — | — | None | — | None |
| | | October | 10-18 | >72 | — | — | None | — | None |
| | | November | 10-18 | >72 | — | — | None | — | None |
| | | December | 10-18 | >72 | — | — | None | — | None |
| 51: Chinhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 52: Chokecherry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Dranyon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 53: Chokecherry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Slights----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Sheep Creek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 54: Chokecherry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Tubbs Hollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Sheep Creek, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 55: Church Springs, dry--- | C | Jan-Dec | — | — | — | — | None | — | None |
| Monida, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 56: Cleavage----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | | | | | | | | |
| 57: Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | In | In | In | | | | |
| 58: Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 59: Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Greca----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 60: Cooley, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Beehunt, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 61: Crossley----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | | | | | | | | |
| 62: Crossley----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Whitetop----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | | | | | | | | |
| 63: Cupine----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dunford----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 64: Cupine, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Falula, dry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 65: Dennot, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Thatcher, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 66: Dingle----- | C/D | January | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | February | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | March | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | April | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | May | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | June | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | July | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | August | 0-6 | >72 | — | — | None | — | None |
| | | September | 0-6 | >72 | — | — | None | — | None |
| | | October | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | November | 0-6 | >72 | 0-24 | Long | Frequent | — | None |
| | | December | 0-6 | >72 | 0-24 | Long | Frequent | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|-----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | In | In | In | | | | |
| 67: Dinswamp----- | C/D | January | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | February | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | March | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | April | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | May | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | June | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | July | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | August | 0-12 | >72 | — | — | None | — | None |
| | | September | 0-12 | >72 | — | — | None | — | None |
| | | October | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | November | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| | | December | 0-12 | >72 | 0-18 | Very long | Frequent | — | None |
| 68: Dipcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Cutoff----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Sheep Creek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 69: Dipcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | | | | | | | | |
| 70: Dirtyhead----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 71: Dirtyhead----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 72: Dollarhide----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 73: Dollarhide----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Grunder----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 74: Drage----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Causey----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Lilcan----- | D | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 75: | | | | | | | | | |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Hoopgobel----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Ledgehollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 76: | | | | | | | | | |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Pavohroo----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 77: | | | | | | | | | |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Pontuge----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 78: | | | | | | | | | |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Poulridge----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 79: | | | | | | | | | |
| Dranyon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 80: | | | | | | | | | |
| Dry Canyon, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 81: | | | | | | | | | |
| Dry Canyon, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cutoff----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 82: | | | | | | | | | |
| Dumps, mine. | | | | | | | | | |
| 83: | | | | | | | | | |
| Dutchcanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 84: | | | | | | | | | |
| Dutchcanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Frenchollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 85: | | | | | | | | | |
| Everyy----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Preuss----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|------------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | In | In | In | | | | |
| 86: Everry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Preuss----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 87: Fishaven----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dutchcanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 88: Frenchollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 89: Frenchollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 90: Fury----- | C/D | January | 10-20 | >72 | — | — | None | — | None |
| | | February | 10-20 | >72 | — | — | None | — | None |
| | | March | 10-20 | >72 | — | — | None | Brief | Occasional |
| | | April | 10-20 | >72 | — | — | None | Brief | Occasional |
| | | May | 10-20 | >72 | — | — | None | Brief | Occasional |
| | | June | 10-20 | >72 | — | — | None | — | None |
| | | July | 10-30 | >72 | — | — | None | — | None |
| | | August | 10-30 | >72 | — | — | None | — | None |
| | | September | 10-30 | >72 | — | — | None | — | None |
| | | October | 10-30 | >72 | — | — | None | — | None |
| | | November | 10-30 | >72 | — | — | None | — | None |
| | | December | 10-30 | >72 | — | — | None | — | None |
| 91: Georgecanyon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 92: Hades----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 93: Hades----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 94: Hades----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 95: Hades----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Horrocks----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 96: Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 96: Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 97: Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 98: Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Horrocks----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 99: Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Zeebar----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 100: Hoopgobel----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cadero----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 101: Hoopgobel----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Slights----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 102: Horrocks----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cedarhill----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 103: Horrocks----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cleavage----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 104: Horrocks----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cleavage----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 105: Hutchley----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Cupine----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 105: Vitale----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 106: Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 107: Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 108: Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 109: Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Watercanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 110: Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Watercanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 111: Iphil, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Watercanyon, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 112: Ireland----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Falula----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Vicking----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 113: Jacanyon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cleavage----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 114: Jebo, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cokeville, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dennot, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 115: Jebo----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cupine----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 116: Jebo, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cupine, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 117: Jebo----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dipcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 118: Jebo, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dipcreek, dry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 119: Joes----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 120: Joes----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 121: Kucera----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 122: Kucera----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Chausse----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 123: La Roco----- | C | February | 30-40 | >72 | — | — | None | — | None |
| | | March | 30-40 | >72 | — | — | None | — | None |
| | | April | 30-40 | >72 | — | — | None | — | Rare |
| | | May | 30-40 | >72 | — | — | None | — | Rare |
| | | June | 30-40 | >72 | — | — | None | — | Rare |
| | | July | 30-40 | >72 | — | — | None | — | None |
| 124: La Roco, saline----- | C | February | 30-40 | >72 | — | — | None | — | None |
| | | March | 30-40 | >72 | — | — | None | — | None |
| | | April | 30-40 | >72 | — | — | None | — | None |
| | | May | 30-40 | >72 | — | — | None | — | None |
| | | June | 30-40 | >72 | — | — | None | — | None |
| | | July | 30-40 | >72 | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 125: Lag----- | B | | | | | | | | |
| Dollarhide----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | Jan-Dec | — | — | — | — | None | — | None |
| 126: Lag----- | B | | | | | | | | |
| Dranyon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 127: Lago----- | C/D | | | | | | | | |
| | | February | 20-40 | >72 | — | — | None | — | None |
| | | March | 20-40 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | Rare |
| | | May | 20-40 | >72 | — | — | None | — | Rare |
| | | June | 20-40 | >72 | — | — | None | — | Rare |
| | | July | 20-40 | >72 | — | — | None | — | None |
| | | August | 20-40 | >72 | — | — | None | — | None |
| 128: Lago----- | C/D | | | | | | | | |
| | | February | 20-40 | >72 | — | — | None | — | None |
| | | March | 20-40 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | Rare |
| | | May | 20-40 | >72 | — | — | None | — | Rare |
| | | June | 20-40 | >72 | — | — | None | — | Rare |
| | | July | 20-40 | >72 | — | — | None | — | None |
| | | August | 20-40 | >72 | — | — | None | — | None |
| Bear Lake----- | C/D | | | | | | | | |
| | | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | 10-18 | >72 | — | — | None | — | Rare |
| | | July | 10-18 | >72 | — | — | None | — | None |
| | | August | 10-18 | >72 | — | — | None | — | None |
| | | September | 10-18 | >72 | — | — | None | — | None |
| | | October | 10-18 | >72 | — | — | None | — | None |
| | | November | 10-18 | >72 | — | — | None | — | None |
| | | December | 10-18 | >72 | — | — | None | — | None |
| 129: Lago----- | C/D | | | | | | | | |
| | | February | 20-40 | >72 | — | — | None | — | None |
| | | March | 20-40 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | Rare |
| | | May | 20-40 | >72 | — | — | None | — | Rare |
| | | June | 20-40 | >72 | — | — | None | — | Rare |
| | | July | 20-40 | >72 | — | — | None | — | None |
| | | August | 20-40 | >72 | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 129: Merkley----- | B | February | 40-60 | >72 | — | — | None | — | None |
| | | March | 40-60 | >72 | — | — | None | — | None |
| | | April | 40-60 | >72 | — | — | None | — | None |
| | | May | 40-60 | >72 | — | — | None | — | None |
| | | June | 40-60 | >72 | — | — | None | — | None |
| | | July | 40-60 | >72 | — | — | None | — | None |
| 130: Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 131: Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 132: Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 133: Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 134: Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 135: Lanoak----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 136: Leftfork----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cleavage----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 137: Lilcan----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | | | | | | | | |
| Jacanyon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 138: Lilcan----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Watkins Ridge, dry---- | B | Jan-Dec | — | — | — | — | None | — | None |
| Jacanyon----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 139: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Kucera----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Sprollow----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 140: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Kucera, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Sprollow, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 141: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Monida----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Chokecherry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 142: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Rock outcrop. | | | | | | | | | |
| 143: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Sheep Creek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dipcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 144: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Sprollow----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|------------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | In | In | In | | | | |
| 145: Marshdale----- | C/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | Brief | Occasional |
| | | May | 10-18 | >72 | — | — | None | Brief | Occasional |
| | | June | 10-18 | >72 | — | — | None | Brief | Occasional |
| | | July | 10-18 | >72 | — | — | None | — | None |
| | | August | 10-18 | >72 | — | — | None | — | None |
| | | September | 10-18 | >72 | — | — | None | — | None |
| | | October | 10-18 | >72 | — | — | None | — | None |
| | | November | 10-18 | >72 | — | — | None | — | None |
| | | December | 10-18 | >72 | — | — | None | — | None |
| Bloomcreek----- | B/D | January | 25-32 | >72 | — | — | None | — | None |
| | | February | 25-32 | >72 | — | — | None | — | None |
| | | March | 25-32 | >72 | — | — | None | — | Rare |
| | | April | 20-32 | >72 | — | — | None | — | Rare |
| | | May | 20-32 | >72 | — | — | None | — | Rare |
| | | June | 20-32 | >72 | — | — | None | — | None |
| | | July | 20-32 | >72 | — | — | None | — | None |
| | | August | 25-40 | >72 | — | — | None | — | None |
| | | September | 25-40 | >72 | — | — | None | — | None |
| | | October | 25-40 | >72 | — | — | None | — | None |
| | | November | 25-40 | >72 | — | — | None | — | None |
| | | December | 25-40 | >72 | — | — | None | — | None |
| 146: Merkley----- | B | February | 40-60 | >72 | — | — | None | — | None |
| | | March | 40-60 | >72 | — | — | None | — | None |
| | | April | 40-60 | >72 | — | — | None | — | None |
| | | May | 40-60 | >72 | — | — | None | — | None |
| | | June | 40-60 | >72 | — | — | None | — | None |
| | | July | 40-60 | >72 | — | — | None | — | None |
| 147: Millerditch----- | C | January | 20-36 | >72 | — | — | None | — | None |
| | | February | 20-36 | >72 | — | — | None | — | None |
| | | March | 20-36 | >72 | — | — | None | — | None |
| | | April | 20-36 | >72 | — | — | None | — | Rare |
| | | May | 20-36 | >72 | — | — | None | — | Rare |
| | | June | — | — | — | — | None | — | Rare |
| | | December | 20-36 | >72 | — | — | None | — | None |
| Cookcan----- | C/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | — | — | — | — | None | — | Rare |
| | | December | 10-18 | >72 | — | — | None | — | None |
| 148: Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 149: Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Sprollow----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 150: Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Sprollow, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 151: Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Sprollow, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 152: Nielsen----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 153: North Beach----- | A/D | January | 20-30 | >72 | — | — | None | — | None |
| | | February | 20-30 | >72 | — | — | None | — | None |
| | | March | 20-30 | >72 | — | — | None | — | None |
| | | April | 20-30 | >72 | — | — | None | — | None |
| | | May | 20-30 | >72 | — | — | None | — | None |
| | | June | 20-30 | >72 | — | — | None | — | None |
| | | December | 20-30 | >72 | — | — | None | — | None |
| 154: Nuffer----- | C | January | 20-30 | >72 | — | — | None | — | None |
| | | February | 20-30 | >72 | — | — | None | — | None |
| | | March | 20-30 | >72 | — | — | None | — | None |
| | | April | 20-30 | >72 | — | — | None | — | Rare |
| | | May | 20-30 | >72 | — | — | None | — | Rare |
| | | June | — | — | — | — | None | — | Rare |
| | | December | 20-30 | >72 | — | — | None | — | None |
| Blackotter----- | B/D | January | 10-18 | >72 | — | — | None | — | None |
| | | February | 10-18 | >72 | — | — | None | — | None |
| | | March | 10-18 | >72 | — | — | None | — | None |
| | | April | 10-18 | >72 | — | — | None | — | Rare |
| | | May | 10-18 | >72 | — | — | None | — | Rare |
| | | June | — | — | — | — | None | — | Rare |
| | | December | 10-18 | >72 | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 155: Nythar----- | C/D | January | 0-10 | >72 | — | — | None | — | None |
| | | February | 0-10 | >72 | — | — | None | — | None |
| | | March | 0-10 | >72 | — | — | None | — | Rare |
| | | April | 0-10 | >72 | — | — | None | — | Rare |
| | | May | 0-10 | >72 | — | — | None | — | Rare |
| | | June | 0-10 | >72 | — | — | None | — | None |
| | | December | 0-10 | >72 | — | — | None | — | None |
| Sagollow----- | C | February | 45-72 | >72 | — | — | None | — | None |
| | | March | 26-45 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | None |
| | | May | 20-40 | >72 | — | — | None | — | None |
| | | June | 26-45 | >72 | — | — | None | — | None |
| | | July | 45-72 | >72 | — | — | None | — | None |
| 156: Ovidcreek----- | D | March | 30-40 | >72 | — | — | None | — | None |
| | | April | 30-40 | >72 | — | — | None | — | None |
| | | May | 30-40 | >72 | — | — | None | — | None |
| | | June | 30-40 | >72 | — | — | None | — | None |
| | | July | 30-40 | >72 | — | — | None | — | None |
| 157: Parding----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Firading----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Hagenbarth----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 158: Parding, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Firading, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Hagenbarth, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 159: Pegram----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 160: Pinegap----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 161: Pinehollow----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Ant Flat----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Sheep Creek----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | In | In | In | | | | |
| 162: Pits, gravel. | | | | | | | | | |
| 163: Pontuge----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cokeville----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 164: Preussrange----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Halfcircle----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 165: Prucree----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Dipcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 166: Raynal----- | C | January | 24-42 | >72 | — | — | None | — | None |
| | | February | 24-42 | >72 | — | — | None | — | None |
| | | March | 24-42 | >72 | — | — | None | — | None |
| | | April | 24-42 | >72 | — | — | None | — | Rare |
| | | May | 24-42 | >72 | — | — | None | — | Rare |
| | | June | — | — | — | — | None | — | Rare |
| | | December | 24-42 | >72 | — | — | None | — | None |
| 167: Raynal----- | C | January | 24-42 | >72 | — | — | None | — | None |
| | | February | 24-42 | >72 | — | — | None | — | None |
| | | March | 24-42 | >72 | — | — | None | — | None |
| | | April | 24-42 | >72 | — | — | None | — | Rare |
| | | May | 24-42 | >72 | — | — | None | — | Rare |
| | | June | — | — | — | — | None | — | Rare |
| | | December | 24-42 | >72 | — | — | None | — | None |
| Lago----- | C/D | February | 20-40 | >72 | — | — | None | — | None |
| | | March | 20-40 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | Rare |
| | | May | 20-40 | >72 | — | — | None | — | Rare |
| | | June | 20-40 | >72 | — | — | None | — | Rare |
| | | July | 20-40 | >72 | — | — | None | — | None |
| | | August | 20-40 | >72 | — | — | None | — | None |
| 168: Ream----- | B | February | 48-60 | >72 | — | — | None | — | None |
| | | March | 48-60 | >72 | — | — | None | — | None |
| | | April | 48-60 | >72 | — | — | None | — | None |
| | | May | 48-60 | >72 | — | — | None | — | None |
| | | June | 48-60 | >72 | — | — | None | — | None |
| | | July | 48-60 | >72 | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 168: Merkley----- | B | February | 40-60 | >72 | — | — | None | — | None |
| | | March | 40-60 | >72 | — | — | None | — | None |
| | | April | 40-60 | >72 | — | — | None | — | None |
| | | May | 40-60 | >72 | — | — | None | — | None |
| | | June | 40-60 | >72 | — | — | None | — | None |
| | | July | 40-60 | >72 | — | — | None | — | None |
| 169: Redpine----- | C | | | | | | | | |
| | | Jan-Dec | — | — | — | — | None | — | None |
| Draney----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Brushtop----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 170: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 171: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 172: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 173: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Kucera----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 174: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Kucera----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 175: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Kucera----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 176: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Ririe----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 177: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|-----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 177: Ririe----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 178: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Ririe----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 179: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Watercanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 180: Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 181: Richollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 182: Richollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Ledgehollow----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 183: Ririe----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Iphil----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 184: Sadducee----- | B/D | January | 0-10 | >72 | — | — | None | — | None |
| | | February | 0-10 | >72 | — | — | None | — | None |
| | | March | 0-10 | >72 | — | — | None | — | None |
| | | April | 0-10 | >72 | — | — | None | — | None |
| | | May | 0-10 | >72 | — | — | None | — | None |
| | | December | 0-10 | >72 | — | — | None | — | None |
| Bearbeach----- | B/D | January | 0-10 | >72 | — | — | None | — | None |
| | | February | 0-10 | >72 | — | — | None | — | None |
| | | March | 0-10 | >72 | — | — | None | — | None |
| | | April | 0-10 | >72 | — | — | None | — | None |
| | | May | 0-10 | >72 | — | — | None | — | None |
| | | June | 5-18 | >72 | — | — | None | — | None |
| | | July | 5-18 | >72 | — | — | None | — | None |
| | | August | 5-18 | >72 | — | — | None | — | None |
| | | September | 5-18 | >72 | — | — | None | — | None |
| | | October | 5-18 | >72 | — | — | None | — | None |
| | | December | 0-10 | >72 | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | In | In | In | | | | |
| 185: | | | | | | | | | |
| Sheep Creek, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Taylor, dry----- | D | Jan-Dec | — | — | — | — | None | — | None |
| Dry Canyon, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 186: | | | | | | | | | |
| Slights----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 187: | | | | | | | | | |
| Springhollow----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Arbone----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 188: | | | | | | | | | |
| Springhollow, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Arbone, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 189: | | | | | | | | | |
| Sprollo----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 190: | | | | | | | | | |
| Sprollo, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 191: | | | | | | | | | |
| Sprollo----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 192: | | | | | | | | | |
| Sprollo, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Mumford----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 193: | | | | | | | | | |
| Sprollo----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 193: Lonjon----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 194: Streek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cleavage----- | D | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 195: Streek, moist----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Streek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 196: Streek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 197: Streek----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| Sagollow----- | C | February | 45-72 | >72 | — | — | None | — | None |
| | | March | 26-45 | >72 | — | — | None | — | None |
| | | April | 20-40 | >72 | — | — | None | — | None |
| | | May | 20-40 | >72 | — | — | None | — | None |
| | | June | 26-45 | >72 | — | — | None | — | None |
| | | July | 45-72 | >72 | — | — | None | — | None |
| 198: Suryon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 199: Swan Flat----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Dranburn----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 200: Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 201: Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Ant Flat----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 202: Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|----------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 202: Cloudless----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 203: Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dutchcanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 204: Swanpeak----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dutchcanyon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Ant Flat----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 205: Thatcher----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 206: Thatcher, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 207: Thatcher----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Church Springs----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 208: Thatcher----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Clegg----- | C | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 209: Thatcher----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Joes----- | B | Jan-Dec | — | — | — | — | None | — | None |
| | | Jan-Dec | — | — | — | — | None | — | None |
| 210: Thatcherflats----- | D | March | 40-60 | >72 | — | — | None | — | None |
| | | April | 40-60 | >72 | — | — | None | — | None |
| | | May | 40-60 | >72 | — | — | None | — | None |
| | | June | 40-60 | >72 | — | — | None | — | None |
| | | July | 40-60 | >72 | — | — | None | — | None |
| 211: Thomasfork----- | C/D | January | 10-20 | >72 | — | — | None | — | Rare |
| | | February | 10-20 | >72 | — | — | None | — | Rare |
| | | March | 10-20 | >72 | — | — | None | — | Rare |
| | | April | 10-20 | >72 | — | — | None | — | Rare |
| | | May | 10-20 | >72 | — | — | None | — | Rare |
| | | December | 10-20 | >72 | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 212: Toponce----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Bailcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 213: Tubbs Hollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Dry Canyon, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 214: Vicking----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 215: Vicking----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 216: Vicking----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 217: Vicking, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 218: Vicking, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 219: Vicking----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Cokeville----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 220: Vipont----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Dipcreek----- | D | Jan-Dec | — | — | — | — | None | — | None |
| 221: Vipont----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Prucree----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 222: Vipont----- | C | Jan-Dec | — | — | — | — | None | — | None |
| Suryon----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 223: Warshod----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Water Features--Continued

| Map symbol and soil name | Hydro- logic group | Month | Water table | | Ponding | | | Flooding | |
|--------------------------------|--------------------------|---------|----------------|----------------|---------------------------|----------|-----------|----------|-----------|
| | | | Upper limit | Lower limit | Surface water depth | Duration | Frequency | Duration | Frequency |
| | | | <i>In</i> | <i>In</i> | <i>In</i> | | | | |
| 223: Slan----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 224: Warshod, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Slan, dry----- | C | Jan-Dec | — | — | — | — | None | — | None |
| 225: Water. | | | | | | | | | |
| 226: Water, miscellaneous. | | | | | | | | | |
| 227: Watkins Ridge, dry---- | B | Jan-Dec | — | — | — | — | None | — | None |
| 228: Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 229: Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 230: Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 231: Wursten, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 232: Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Bearhollow----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 233: Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 234: Wursten----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Rexburg----- | B | Jan-Dec | — | — | — | — | None | — | None |
| 235: Wursten, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |
| Rexburg, dry----- | B | Jan-Dec | — | — | — | — | None | — | None |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are for those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of an entry indicates that data were not estimated.)

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 1: Ant Flat----- | 1.5 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 50.0 |
| 2: Ant Flat----- | 1.2 | 3.5 | 30.0 | 80.0 | — | — | — | — | 25.0 | 40.0 |
| 3: Ant Flat----- | 1.5 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| 4: Arbone----- | 1.5 | 4.5 | 30.0 | 60.0 | — | — | — | — | 30.0 | 55.0 |
| 5: Arbone----- | 1.0 | 3.5 | 30.0 | 50.0 | — | — | — | — | 25.0 | 50.0 |
| 6: Arbone, dry----- | — | — | — | — | — | — | — | — | — | — |
| 7: Arbone----- | 1.5 | 4.5 | 30.0 | 60.0 | — | — | — | — | 30.0 | 55.0 |
| Wursten----- | 1.5 | 4.0 | 30.0 | 60.0 | — | — | — | — | 30.0 | 60.0 |
| 8: Arbone----- | 1.0 | 3.5 | 30.0 | 55.0 | — | — | — | — | 25.0 | 50.0 |
| Wursten----- | 1.0 | 3.5 | 25.0 | 50.0 | — | — | — | — | 25.0 | 50.0 |
| 9: Arbone, dry----- | — | — | — | — | — | — | — | — | — | — |
| Wursten, dry----- | — | — | — | — | — | — | — | — | — | — |
| 10: Bailcreek----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 11: Bailcreek----- | — | — | — | — | — | — | — | — | — | — |
| Toponce----- | — | — | — | — | — | — | — | — | — | — |
| 12: Bancroft----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| 13: Bancroft----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| 14: Bancroft----- | 1.5 | — | 30.0 | — | — | — | — | — | 25.0 | — |
| 15: Bear Lake----- | — | — | — | — | 3.0 | 4.0 | 6.0 | 8.0 | — | — |
| Bear Lake, ponded----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 16: | | | | | | | | | | |
| Bear Lake----- | — | — | — | — | 3.0 | 4.0 | 6.0 | 8.0 | — | — |
| Chesbrook----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |
| La Roco----- | — | — | — | — | 2.0 | 3.5 | 4.0 | 7.0 | — | — |
| 17: | | | | | | | | | | |
| Bear Lake----- | — | — | — | — | 3.0 | 4.0 | 6.0 | 8.0 | — | — |
| Lago----- | — | — | — | — | — | — | 5.0 | 8.0 | — | — |
| 18: | | | | | | | | | | |
| Bearbou----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |
| 19: | | | | | | | | | | |
| Bearhollow----- | 1.0 | — | 30.0 | — | — | — | — | — | 25.0 | — |
| Brifox----- | 1.0 | — | 25.0 | — | — | — | — | — | 20.0 | — |
| Iphil----- | 2.0 | — | 35.0 | — | — | — | — | — | 30.0 | — |
| 20: | | | | | | | | | | |
| Bearhollow----- | — | — | — | — | — | — | — | — | — | — |
| Brifox----- | — | — | — | — | — | — | — | — | — | — |
| Iphil----- | — | — | — | — | — | — | — | — | — | — |
| 21: | | | | | | | | | | |
| Benning----- | 2.0 | 5.0 | 35.0 | 80.0 | — | — | — | — | 30.0 | 70.0 |
| 22: | | | | | | | | | | |
| Bern----- | 1.5 | 4.0 | 35.0 | 55.0 | — | — | — | — | 30.0 | 45.0 |
| 23: | | | | | | | | | | |
| Bezzant----- | 1.0 | 2.5 | 15.0 | 40.0 | — | — | — | — | 20.0 | 40.0 |
| 24: | | | | | | | | | | |
| Bezzant----- | — | — | — | — | — | — | — | — | — | — |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| 25: | | | | | | | | | | |
| Bischoff----- | — | — | — | — | — | — | — | — | — | — |
| Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |
| 26: | | | | | | | | | | |
| Bloomington----- | — | — | — | — | — | — | — | — | — | — |
| 27: | | | | | | | | | | |
| Boundridge----- | — | — | — | — | — | — | — | — | — | — |
| Sweetcreek----- | — | — | — | — | — | — | 4.0 | — | — | — |
| 28: | | | | | | | | | | |
| Boyd hollow----- | — | — | — | — | — | — | — | — | — | — |
| Slan----- | — | — | — | — | — | — | — | — | — | — |
| Cokeville----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|---|---------|---|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 29: | | | | | | | | | | |
| Brifox----- | 1.0 | — | 25.0 | — | — | — | — | — | 20.0 | — |
| Lizdale----- | 1.0 | — | 20.0 | — | — | — | — | — | 20.0 | — |
| 30: | | | | | | | | | | |
| Brifox----- | 1.0 | — | 25.0 | — | — | — | — | — | 20.0 | — |
| Niter----- | 1.0 | — | 25.0 | — | — | — | — | — | 20.0 | — |
| 31: | | | | | | | | | | |
| Brifox----- | 1.0 | — | 20.0 | — | — | — | — | — | 20.0 | — |
| Niter----- | 1.0 | — | 20.0 | — | — | — | — | — | 20.0 | — |
| 32: | | | | | | | | | | |
| Broadhead----- | 2.0 | 4.0 | 35.0 | 55.0 | — | — | — | — | 30.0 | 50.0 |
| 33: | | | | | | | | | | |
| Broadhead----- | 1.5 | 3.5 | 30.0 | 50.0 | — | — | — | — | 30.0 | 45.0 |
| 34: | | | | | | | | | | |
| Broadhead----- | — | — | — | — | — | — | — | — | — | — |
| Hades----- | — | — | — | — | — | — | — | — | — | — |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| 35: | | | | | | | | | | |
| Buist----- | 1.2 | 4.0 | 20.0 | 60.0 | — | — | — | — | 25.0 | 55.0 |
| 36: | | | | | | | | | | |
| Buist----- | 1.0 | 3.5 | 20.0 | 45.0 | — | — | — | — | 20.0 | 45.0 |
| 37: | | | | | | | | | | |
| Buist, dry----- | 1.0 | — | 20.0 | — | — | — | — | — | 20.0 | — |
| 38: | | | | | | | | | | |
| Buist----- | 1.0 | 3.5 | 20.0 | 45.0 | — | — | — | — | 20.0 | 45.0 |
| 39: | | | | | | | | | | |
| Buist----- | 1.2 | 4.0 | 20.0 | 60.0 | — | — | — | — | 25.0 | 55.0 |
| Arbone----- | 1.5 | 4.5 | 30.0 | 60.0 | — | — | — | — | 30.0 | 55.0 |
| 40: | | | | | | | | | | |
| Burchert----- | — | — | — | — | — | — | — | — | — | — |
| Whitetop----- | — | — | — | — | — | — | — | — | — | — |
| 41: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| 42: | | | | | | | | | | |
| Cedarhill, dry----- | — | — | — | — | — | — | — | — | — | — |
| 43: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| Bearhollow----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 44: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| Buist----- | — | — | — | — | — | — | — | — | — | — |
| 45: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| Burchert----- | — | — | — | — | — | — | — | — | — | — |
| 46: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| Clegg----- | — | — | — | — | — | — | — | — | — | — |
| 47: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| Clegg----- | — | — | — | — | — | — | — | — | — | — |
| Drage----- | — | — | — | — | — | — | — | — | — | — |
| 48: | | | | | | | | | | |
| Cedarhill, dry----- | — | — | — | — | — | — | — | — | — | — |
| Pinehollow, dry----- | — | — | — | — | — | — | — | — | — | — |
| 49: | | | | | | | | | | |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| Wursten----- | — | — | — | — | — | — | — | — | — | — |
| 50: | | | | | | | | | | |
| Chesbrook----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |
| Bear Lake----- | — | — | — | — | 3.0 | 4.0 | 6.0 | 8.0 | — | — |
| 51: | | | | | | | | | | |
| Chinhill----- | 1.5 | 4.0 | 35.0 | 55.0 | — | — | — | — | 30.0 | 45.0 |
| 52: | | | | | | | | | | |
| Chokecherry----- | — | — | — | — | — | — | — | — | — | — |
| Dranyon----- | — | — | — | — | — | — | — | — | — | — |
| 53: | | | | | | | | | | |
| Chokecherry----- | — | — | — | — | — | — | — | — | — | — |
| Slights----- | — | — | — | — | — | — | — | — | — | — |
| Sheep Creek----- | — | — | — | — | — | — | — | — | — | — |
| 54: | | | | | | | | | | |
| Chokecherry----- | — | — | — | — | — | — | — | — | — | — |
| Tubbs Hollow----- | — | — | — | — | — | — | — | — | — | — |
| Sheep Creek, dry----- | — | — | — | — | — | — | — | — | — | — |
| 55: | | | | | | | | | | |
| Church Springs, dry---- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|---|--------|---|-----------|---|---------|---|-------|---|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 55: Monida, dry----- | — | — | — | — | — | — | — | — | — | — |
| 56: Cleavage----- | — | — | — | — | — | — | — | — | — | — |
| Rock outcrop----- | — | — | — | — | — | — | — | — | — | — |
| 57: Clegg----- | 2.0 | — | 40.0 | — | — | — | — | — | 35.0 | — |
| 58: Clegg----- | 2.0 | — | 40.0 | — | — | — | — | — | 35.0 | — |
| 59: Clegg----- | 2.0 | — | 40.0 | — | — | — | — | — | 35.0 | — |
| Grecan----- | 2.0 | — | 40.0 | — | — | — | — | — | 35.0 | — |
| 60: Cooley, dry----- | — | — | — | — | — | — | — | — | — | — |
| Beehunt, dry----- | — | — | — | — | — | — | — | — | — | — |
| 61: Crossley----- | — | — | — | — | — | — | — | — | — | — |
| Rock outcrop----- | — | — | — | — | — | — | — | — | — | — |
| 62: Crossley----- | — | — | — | — | — | — | — | — | — | — |
| Whitetop----- | — | — | — | — | — | — | — | — | — | — |
| 63: Cupine----- | — | — | — | — | — | — | — | — | — | — |
| Dunford----- | — | — | — | — | — | — | — | — | — | — |
| 64: Cupine, dry----- | — | — | — | — | — | — | — | — | — | — |
| Falula, dry----- | — | — | — | — | — | — | — | — | — | — |
| 65: Dennot, dry----- | — | — | — | — | — | — | — | — | — | — |
| Thatcher, dry----- | — | — | — | — | — | — | — | — | — | — |
| 66: Dingle----- | — | — | — | — | — | — | — | — | — | — |
| 67: Dinswamp----- | — | — | — | — | — | — | — | — | — | — |
| 68: Dipcreek----- | — | — | — | — | — | — | — | — | — | — |
| Cutoff----- | — | — | — | — | — | — | — | — | — | — |
| Sheep Creek----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|---|--------|---|-----------|---|---------|---|-------|---|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 69: Dipcreek----- | — | — | — | — | — | — | — | — | — | — |
| Rock outcrop----- | — | — | — | — | — | — | — | — | — | — |
| 70: Dirtyhead----- | — | — | — | — | — | — | — | — | — | — |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| 71: Dirtyhead----- | — | — | — | — | — | — | — | — | — | — |
| Mumford----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 72: Dollarhide----- | — | — | — | — | — | — | — | — | — | — |
| 73: Dollarhide----- | — | — | — | — | — | — | — | — | — | — |
| Grunder----- | — | — | — | — | — | — | — | — | — | — |
| 74: Drage----- | — | — | — | — | — | — | — | — | — | — |
| Causey----- | — | — | — | — | — | — | — | — | — | — |
| Lilcan----- | — | — | — | — | — | — | — | — | — | — |
| 75: Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| Hoopgobel----- | — | — | — | — | — | — | — | — | — | — |
| Ledgehollow----- | — | — | — | — | — | — | — | — | — | — |
| 76: Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| Pavohroo----- | — | — | — | — | — | — | — | — | — | — |
| 77: Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| Pontuge----- | — | — | — | — | — | — | — | — | — | — |
| 78: Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| Poulridge----- | — | — | — | — | — | — | — | — | — | — |
| 79: Dranyon----- | — | — | — | — | — | — | — | — | — | — |
| 80: Dry Canyon, dry----- | — | — | — | — | — | — | — | — | — | — |
| 81: Dry Canyon, dry----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 81: Cutoff----- | — | — | — | — | — | — | — | — | — | — |
| 82: Dumps, mine----- | — | — | — | — | — | — | — | — | — | — |
| 83: Dutchcanyon----- | 1.5 | 3.0 | 25.0 | 50.0 | — | — | — | — | 20.0 | 45.0 |
| 84: Dutchcanyon----- | 1.0 | 3.0 | 25.0 | 50.0 | — | — | — | — | 20.0 | 45.0 |
| Frenchhollow----- | 1.5 | 3.0 | 30.0 | 50.0 | — | — | — | — | 30.0 | 45.0 |
| 85: Every----- | — | — | — | — | — | — | — | — | — | — |
| Preuss----- | — | — | — | — | — | — | — | — | — | — |
| 86: Every----- | — | — | — | — | — | — | — | — | — | — |
| Preuss----- | — | — | — | — | — | — | — | — | — | — |
| 87: Fishaven----- | — | — | 15.0 | — | — | — | — | — | 15.0 | — |
| Dutchcanyon----- | 1.0 | — | 25.0 | — | — | — | — | — | 20.0 | — |
| 88: Frenchhollow----- | 1.5 | 3.5 | 35.0 | 55.0 | — | — | — | — | 35.0 | 50.0 |
| 89: Frenchhollow----- | 1.5 | 3.0 | 30.0 | 50.0 | — | — | — | — | 30.0 | 45.0 |
| 90: Fury----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| 91: Georgecanyon----- | 1.2 | 4.0 | 25.0 | 60.0 | — | — | — | — | 25.0 | 55.0 |
| 92: Hades----- | 2.0 | 5.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 75.0 |
| 93: Hades----- | 2.0 | 4.0 | 40.0 | 80.0 | — | — | — | — | 35.0 | 70.0 |
| 94: Hades----- | — | — | — | — | — | — | — | — | — | — |
| 95: Hades----- | — | — | — | — | — | — | — | — | — | — |
| Horrocks----- | — | — | — | — | — | — | — | — | — | — |
| 96: Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |
| Clegg----- | — | — | — | — | — | — | — | — | — | — |
| 97: Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|---|---------|---|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 97: Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 98: Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |
| Horrocks----- | — | — | — | — | — | — | — | — | — | — |
| 99: Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |
| Zeebar----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 100: Hoopgobel----- | — | — | — | — | — | — | — | — | — | — |
| Cadero----- | — | — | — | — | — | — | — | — | — | — |
| 101: Hoopgobel----- | — | — | — | — | — | — | — | — | — | — |
| Slights----- | — | — | — | — | — | — | — | — | — | — |
| 102: Horrocks----- | — | — | — | — | — | — | — | — | — | — |
| Cedarhill----- | — | — | — | — | — | — | — | — | — | — |
| 103: Horrocks----- | — | — | — | — | — | — | — | — | — | — |
| Cleavage----- | — | — | — | — | — | — | — | — | — | — |
| 104: Horrocks----- | — | — | — | — | — | — | — | — | — | — |
| Cleavage----- | — | — | — | — | — | — | — | — | — | — |
| 105: Hutchley----- | — | — | — | — | — | — | — | — | — | — |
| Cupine----- | — | — | — | — | — | — | — | — | — | — |
| Vitale----- | — | — | — | — | — | — | — | — | — | — |
| 106: Iphil----- | 2.0 | 5.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 70.0 |
| 107: Iphil----- | 2.0 | 4.0 | 35.0 | 70.0 | — | — | — | — | 30.0 | 60.0 |
| 108: Iphil----- | 1.5 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| 109: Iphil----- | — | — | — | — | — | — | — | — | — | — |
| Lanoak----- | — | — | — | — | — | — | — | — | — | — |
| Watercanyon----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|---|---------|---|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 110: Iphil----- | 1.5 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| Watercanyon----- | 1.5 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| 111: Iphil, dry----- | 2.0 | — | 35.0 | — | — | — | — | — | 30.0 | — |
| Watercanyon, dry----- | 2.0 | — | 35.0 | — | — | — | — | — | 30.0 | — |
| 112: Ireland----- | — | — | — | — | — | — | — | — | — | — |
| Falula----- | — | — | — | — | — | — | — | — | — | — |
| Vicking----- | — | — | — | — | — | — | — | — | — | — |
| 113: Jacanyon----- | — | — | — | — | — | — | — | — | — | — |
| Cleavage----- | — | — | — | — | — | — | — | — | — | — |
| 114: Jebo, dry----- | — | — | — | — | — | — | — | — | — | — |
| Cokeville, dry----- | — | — | — | — | — | — | — | — | — | — |
| Dennot, dry----- | — | — | — | — | — | — | — | — | — | — |
| 115: Jebo----- | — | — | — | — | — | — | — | — | — | — |
| Cupine----- | — | — | — | — | — | — | — | — | — | — |
| 116: Jebo, dry----- | — | — | — | — | — | — | — | — | — | — |
| Cupine, dry----- | — | — | — | — | — | — | — | — | — | — |
| 117: Jebo----- | — | — | — | — | — | — | — | — | — | — |
| Dipcreek----- | — | — | — | — | — | — | — | — | — | — |
| 118: Jebo, dry----- | — | — | — | — | — | — | — | — | — | — |
| Dipcreek, dry----- | — | — | — | — | — | — | — | — | — | — |
| 119: Joes----- | 2.0 | 5.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |
| 120: Joes----- | 2.0 | 4.0 | 30.0 | 65.0 | — | — | — | — | 30.0 | 60.0 |
| 121: Kucera----- | 1.5 | — | 35.0 | — | — | — | — | — | 30.0 | — |
| 122: Kucera----- | — | — | — | — | — | — | — | — | — | — |
| Chausse----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 122: Rexburg----- | — | — | — | — | — | — | — | — | — | — |
| 123: La Roco----- | — | — | — | — | 2.0 | 3.5 | 2.0 | 5.0 | — | — |
| 124: La Roco, saline----- | — | — | — | — | — | — | — | — | — | — |
| 125: Lag----- | — | — | — | — | — | — | — | — | — | — |
| Dollarhide----- | — | — | — | — | — | — | — | — | — | — |
| Rock outcrop----- | — | — | — | — | — | — | — | — | — | — |
| 126: Lag----- | — | — | — | — | — | — | — | — | — | — |
| Dranyon----- | — | — | — | — | — | — | — | — | — | — |
| 127: Lago----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| 128: Lago----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| Bear Lake----- | — | — | — | — | 3.0 | 4.0 | 6.0 | 8.0 | — | — |
| 129: Lago----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| Merkley----- | — | — | — | — | 1.5 | 3.0 | 3.0 | 6.0 | — | — |
| 130: Lanoak----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| 131: Lanoak----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| 132: Lanoak----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| 133: Lanoak----- | 1.5 | — | 30.0 | — | — | — | — | — | 25.0 | — |
| 134: Lanoak----- | — | — | — | — | — | — | — | — | — | — |
| Arbone----- | — | — | — | — | — | — | — | — | — | — |
| 135: Lanoak----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| Rexburg----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| 136: Leftfork----- | — | — | — | — | — | — | — | — | — | — |
| Cleavage----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|---|--------|---|-----------|-----|---------|-----|-------|---|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 137: | | | | | | | | | | |
| Lilcan----- | — | — | — | — | — | — | — | — | — | — |
| Rock outcrop----- | — | — | — | — | — | — | — | — | — | — |
| Jacanyon----- | — | — | — | — | — | — | — | — | — | — |
| 138: | | | | | | | | | | |
| Lilcan----- | — | — | — | — | — | — | — | — | — | — |
| Watkins Ridge, dry----- | — | — | — | — | — | — | — | — | — | — |
| Jacanyon----- | — | — | — | — | — | — | — | — | — | — |
| 139: | | | | | | | | | | |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Kucera----- | — | — | — | — | — | — | — | — | — | — |
| Sprollo----- | — | — | — | — | — | — | — | — | — | — |
| 140: | | | | | | | | | | |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Kucera, dry----- | — | — | — | — | — | — | — | — | — | — |
| Sprollo, dry----- | — | — | — | — | — | — | — | — | — | — |
| 141: | | | | | | | | | | |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Monida----- | — | — | — | — | — | — | — | — | — | — |
| Chokecherry----- | — | — | — | — | — | — | — | — | — | — |
| 142: | | | | | | | | | | |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Mumford----- | — | — | — | — | — | — | — | — | — | — |
| Rock outcrop----- | — | — | — | — | — | — | — | — | — | — |
| 143: | | | | | | | | | | |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Sheep Creek----- | — | — | — | — | — | — | — | — | — | — |
| Dipcreek----- | — | — | — | — | — | — | — | — | — | — |
| 144: | | | | | | | | | | |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Sprollo----- | — | — | — | — | — | — | — | — | — | — |
| Mumford----- | — | — | — | — | — | — | — | — | — | — |
| 145: | | | | | | | | | | |
| Marshdale----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |
| Bloomcreek----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 146: Merkley----- | 1.5 | 4.5 | 30.0 | 60.0 | 1.5 | 3.0 | 3.0 | 6.0 | 30.0 | 55.0 |
| 147: Millerditch----- | — | — | — | — | — | — | 5.0 | 8.0 | — | — |
| Cookcan----- | — | — | — | — | — | — | 5.0 | 8.0 | — | — |
| 148: Mumford----- | — | — | — | — | — | — | — | — | — | — |
| 149: Mumford----- | — | — | — | — | — | — | — | — | — | — |
| Sprollo----- | — | — | — | — | — | — | — | — | — | — |
| 150: Mumford----- | — | — | — | — | — | — | — | — | — | — |
| Sprollo, dry----- | — | — | — | — | — | — | — | — | — | — |
| 151: Mumford----- | — | — | — | — | — | — | — | — | — | — |
| Sprollo, dry----- | — | — | — | — | — | — | — | — | — | — |
| 152: Nielsen----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |
| 153: North Beach----- | — | — | — | — | — | — | — | — | — | — |
| 154: Nuffer----- | — | — | — | — | — | — | 5.0 | 8.0 | — | — |
| Blackotter----- | — | — | — | — | — | — | 4.0 | 6.0 | — | — |
| 155: Nythar----- | — | — | — | — | 3.0 | 4.0 | 6.0 | 8.0 | — | — |
| Sagollow----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| 156: Ovidcreek----- | — | — | — | — | — | — | — | — | — | — |
| 157: Parding----- | — | — | — | — | — | — | — | — | — | — |
| Firading----- | — | — | — | — | — | — | — | — | — | — |
| Hagenbarth----- | — | — | — | — | — | — | — | — | — | — |
| 158: Parding, dry----- | — | — | — | — | — | — | — | — | — | — |
| Firading, dry----- | — | — | — | — | — | — | — | — | — | — |
| Hagenbarth, dry----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 159: Pegram----- | 1.2 | 4.0 | 20.0 | 60.0 | — | — | — | — | 25.0 | 55.0 |
| 160: Pinegap----- | — | — | — | — | — | — | — | — | — | — |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| 161: Pinehollow----- | — | — | — | — | — | — | — | — | — | — |
| Ant Flat----- | — | — | — | — | — | — | — | — | — | — |
| Sheep Creek----- | — | — | — | — | — | — | — | — | — | — |
| 162: Pits, gravel----- | — | — | — | — | — | — | — | — | — | — |
| 163: Pontuge----- | — | — | — | — | — | — | — | — | — | — |
| Cokeville----- | — | — | — | — | — | — | — | — | — | — |
| 164: Preussrange----- | — | — | — | — | — | — | — | — | — | — |
| Halfcircle----- | — | — | — | — | — | — | — | — | — | — |
| 165: Prucree----- | — | — | — | — | — | — | — | — | — | — |
| Dipcreek----- | — | — | — | — | — | — | — | — | — | — |
| 166: Raynal----- | 1.5 | 2.5 | 30.0 | 50.0 | 2.5 | 4.0 | 5.0 | 8.0 | 30.0 | 50.0 |
| 167: Raynal----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| Lago----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| 168: Ream----- | 1.5 | 4.5 | 30.0 | 60.0 | — | — | — | — | 30.0 | 55.0 |
| Merkley----- | 1.5 | 4.5 | 30.0 | 60.0 | — | — | — | — | 30.0 | 55.0 |
| 169: Redpine----- | — | — | — | — | — | — | — | — | — | — |
| Draney----- | — | — | — | — | — | — | — | — | — | — |
| Brushtop----- | — | — | — | — | — | — | — | — | — | — |
| 170: Rexburg----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| 171: Rexburg----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| Iphil----- | 2.0 | 5.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 172: | | | | | | | | | | |
| Rexburg----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| Iphil----- | 2.0 | 4.0 | 35.0 | 70.0 | — | — | — | — | 30.0 | 60.0 |
| 173: | | | | | | | | | | |
| Rexburg----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| Kucera----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| 174: | | | | | | | | | | |
| Rexburg----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| Kucera----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| 175: | | | | | | | | | | |
| Rexburg----- | — | — | — | — | — | — | — | — | — | — |
| Kucera----- | — | — | — | — | — | — | — | — | — | — |
| 176: | | | | | | | | | | |
| Rexburg----- | 2.0 | 5.0 | 40.0 | 90.0 | — | — | — | — | 35.0 | 80.0 |
| Ririe----- | 2.0 | 5.0 | 35.0 | 80.0 | — | — | — | — | 30.0 | 70.0 |
| 177: | | | | | | | | | | |
| Rexburg----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| Ririe----- | 2.0 | 4.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |
| 178: | | | | | | | | | | |
| Rexburg----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| Ririe----- | 2.0 | 4.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |
| 179: | | | | | | | | | | |
| Rexburg----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| Watercanyon----- | 2.0 | 4.0 | 35.0 | 70.0 | — | — | — | — | 30.0 | 60.0 |
| 180: | | | | | | | | | | |
| Rexburg----- | — | — | — | — | — | — | — | — | — | — |
| Wursten----- | — | — | — | — | — | — | — | — | — | — |
| 181: | | | | | | | | | | |
| Richollow----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 182: | | | | | | | | | | |
| Richollow----- | — | — | — | — | — | — | — | — | — | — |
| Ledgehollow----- | — | — | — | — | — | — | — | — | — | — |
| 183: | | | | | | | | | | |
| Ririe----- | 2.0 | 5.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |
| Iphil----- | 2.0 | 5.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |
| 184: | | | | | | | | | | |
| Sadducee----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|---|--------|---|-----------|-----|---------|-----|-------|---|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 184: Bearbeach----- | — | — | — | — | 2.0 | 3.0 | 4.0 | 6.0 | — | — |
| 185: Sheep Creek, dry----- | — | — | — | — | — | — | — | — | — | — |
| Taylor, dry----- | — | — | — | — | — | — | — | — | — | — |
| Dry Canyon, dry----- | — | — | — | — | — | — | — | — | — | — |
| 186: Slight----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 187: Springhollow----- | — | — | 25.0 | — | — | — | — | — | 25.0 | — |
| Arbone----- | — | — | 30.0 | — | — | — | — | — | 25.0 | — |
| 188: Springhollow, dry----- | — | — | 25.0 | — | — | — | — | — | 25.0 | — |
| Arbone, dry----- | — | — | 30.0 | — | — | — | — | — | 25.0 | — |
| 189: Sprollow----- | — | — | — | — | — | — | — | — | — | — |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| 190: Sprollow, dry----- | — | — | — | — | — | — | — | — | — | — |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| 191: Sprollow----- | — | — | — | — | — | — | — | — | — | — |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Mumford----- | — | — | — | — | — | — | — | — | — | — |
| 192: Sprollow, dry----- | — | — | — | — | — | — | — | — | — | — |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| Mumford----- | — | — | — | — | — | — | — | — | — | — |
| 193: Sprollow----- | — | — | — | — | — | — | — | — | — | — |
| Wursten----- | — | — | — | — | — | — | — | — | — | — |
| Lonjon----- | — | — | — | — | — | — | — | — | — | — |
| 194: Streek----- | — | — | — | — | — | — | — | — | — | — |
| Cleavage----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|-----|---------|-----|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 195: | | | | | | | | | | |
| Streek, moist----- | — | — | — | — | — | — | — | — | — | — |
| Streek----- | — | — | — | — | — | — | — | — | — | — |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| 196: | | | | | | | | | | |
| Streek----- | 1.5 | — | 30.0 | — | — | — | — | — | 30.0 | — |
| Swanpeak----- | 1.2 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| 197: | | | | | | | | | | |
| Streek----- | — | — | — | — | — | — | 3.0 | 6.0 | — | — |
| Swanpeak----- | — | — | — | — | — | — | 2.0 | 4.0 | — | — |
| Sagollow----- | — | — | — | — | 2.5 | 4.0 | 5.0 | 8.0 | — | — |
| 198: | | | | | | | | | | |
| Suryon----- | 1.5 | 3.5 | 30.0 | 55.0 | — | — | — | — | 25.0 | 50.0 |
| 199: | | | | | | | | | | |
| Swan Flat----- | — | — | — | — | — | — | — | — | — | — |
| Dranburn----- | — | — | — | — | — | — | — | — | — | — |
| 200: | | | | | | | | | | |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| 201: | | | | | | | | | | |
| Swanpeak----- | 1.2 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| Ant Flat----- | 1.2 | — | 25.0 | — | — | — | — | — | 25.0 | — |
| 202: | | | | | | | | | | |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| Cloudless----- | — | — | — | — | — | — | — | — | — | — |
| 203: | | | | | | | | | | |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| Dutchcanyon----- | — | — | — | — | — | — | — | — | — | — |
| 204: | | | | | | | | | | |
| Swanpeak----- | — | — | — | — | — | — | — | — | — | — |
| Dutchcanyon----- | — | — | — | — | — | — | — | — | — | — |
| Ant Flat----- | — | — | — | — | — | — | — | — | — | — |
| 205: | | | | | | | | | | |
| Thatcher----- | 2.0 | 3.5 | 30.0 | 60.0 | — | — | — | — | 25.0 | 55.0 |
| 206: | | | | | | | | | | |
| Thatcher, dry----- | — | — | 25.0 | — | — | — | — | — | 25.0 | — |
| 207: | | | | | | | | | | |
| Thatcher----- | — | — | — | — | — | — | — | — | — | — |
| Church Springs----- | — | — | — | — | — | — | — | — | — | — |

Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|--------------------------------|-------------|-----|--------|------|-----------|---|---------|---|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 208: Thatcher----- | — | — | — | — | — | — | — | — | — | — |
| Clegg----- | — | — | — | — | — | — | — | — | — | — |
| 209: Thatcher----- | 2.0 | 4.0 | 35.0 | 70.0 | — | — | — | — | 30.0 | 60.0 |
| Joes----- | 2.0 | 5.0 | 35.0 | 75.0 | — | — | — | — | 30.0 | 65.0 |
| 210: Thatcherflats----- | — | — | — | — | — | — | — | — | — | — |
| 211: Thomasfork----- | 1.5 | 2.5 | 30.0 | 55.0 | — | — | — | — | 25.0 | 45.0 |
| 212: Toponce----- | — | — | — | — | — | — | — | — | — | — |
| Bailcreek----- | — | — | — | — | — | — | — | — | — | — |
| 213: Tubbs Hollow----- | — | — | — | — | — | — | — | — | — | — |
| Dry Canyon, dry----- | — | — | — | — | — | — | — | — | — | — |
| 214: Vicking----- | 2.0 | 4.0 | 35.0 | 70.0 | — | — | — | — | 30.0 | 60.0 |
| 215: Vicking----- | 2.0 | 3.5 | 30.0 | 60.0 | — | — | — | — | 25.0 | 55.0 |
| 216: Vicking----- | 1.0 | — | 25.0 | — | — | — | — | — | 20.0 | — |
| 217: Vicking, dry----- | — | — | 20.0 | — | — | — | — | — | 20.0 | — |
| 218: Vicking, dry----- | — | — | — | — | — | — | — | — | — | — |
| 219: Vicking----- | — | — | — | — | — | — | — | — | — | — |
| Cokeville----- | — | — | — | — | — | — | — | — | — | — |
| 220: Vipont----- | — | — | — | — | — | — | — | — | — | — |
| Dipcreek----- | — | — | — | — | — | — | — | — | — | — |
| 221: Vipont----- | — | — | — | — | — | — | — | — | — | — |
| Prucree----- | — | — | — | — | — | — | — | — | — | — |
| 222: Vipont----- | — | — | — | — | — | — | — | — | — | — |
| Suryon----- | — | — | — | — | — | — | — | — | — | — |

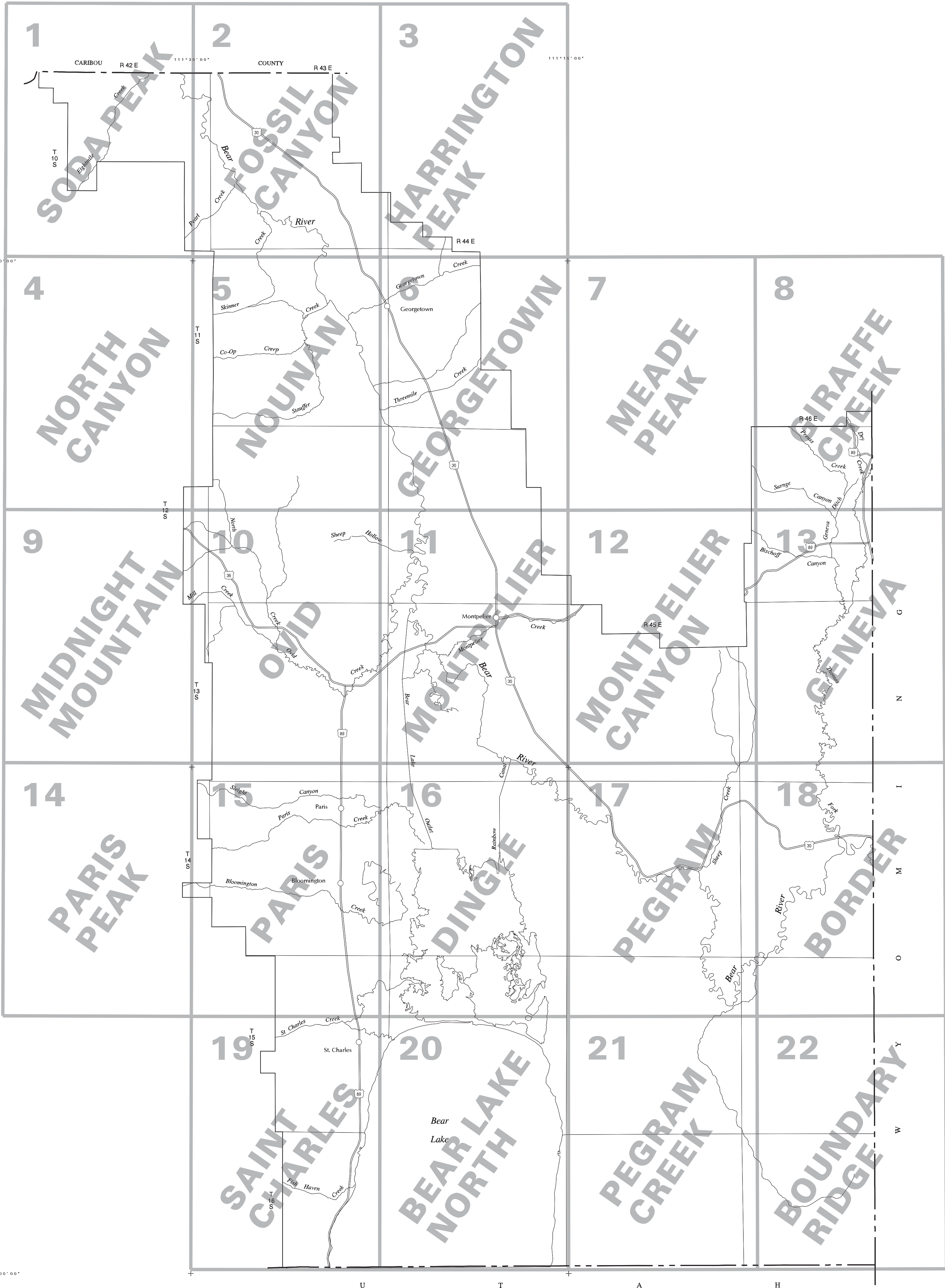
Soil Survey of Bear Lake County Area, Idaho

Yields Per Acre of Crops and Pasture--Continued

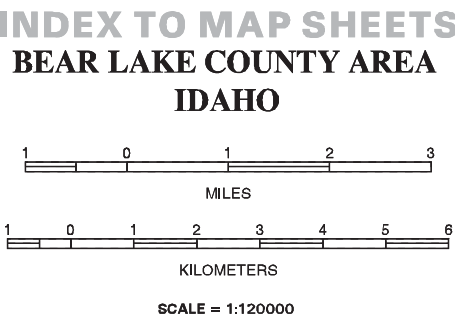
| Map Symbol and Soil Name | Alfalfa hay | | Barley | | Grass hay | | Pasture | | Wheat | |
|---------------------------------|-------------|-----|--------|------|-----------|---|---------|---|-------|------|
| | N | I | N | I | N | I | N | I | N | I |
| | Tons | | Bu | | Tons | | AUM | | Bu | |
| 223: Warshod----- | — | — | — | — | — | — | — | — | — | — |
| Slan----- | — | — | — | — | — | — | — | — | — | — |
| 224: Warshod, dry----- | — | — | — | — | — | — | — | — | — | — |
| Slan, dry----- | — | — | — | — | — | — | — | — | — | — |
| 225: Water----- | — | — | — | — | — | — | — | — | — | — |
| 226: Water, miscellaneous--- | — | — | — | — | — | — | — | — | — | — |
| 227: Watkins Ridge, dry----- | — | — | 20.0 | — | — | — | — | — | 20.0 | — |
| 228: Wursten----- | 1.5 | 4.0 | 30.0 | 60.0 | — | — | — | — | 30.0 | 60.0 |
| 229: Wursten----- | 1.0 | 3.5 | 25.0 | 50.0 | — | — | — | — | 25.0 | 50.0 |
| 230: Wursten----- | 1.0 | — | 20.0 | — | — | — | — | — | 20.0 | — |
| 231: Wursten, dry----- | — | — | — | — | — | — | — | — | — | — |
| 232: Wursten----- | — | — | — | — | — | — | — | — | — | — |
| Bearhollow----- | — | — | — | — | — | — | — | — | — | — |
| 233: Wursten----- | 1.0 | 3.5 | 25.0 | 50.0 | — | — | — | — | 25.0 | 50.0 |
| Rexburg----- | 2.0 | 4.0 | 40.0 | 85.0 | — | — | — | — | 35.0 | 70.0 |
| 234: Wursten----- | — | — | — | — | — | — | — | — | — | — |
| Rexburg----- | — | — | — | — | — | — | — | — | — | — |
| 235: Wursten, dry----- | — | — | — | — | — | — | — | — | — | — |
| Rexburg, dry----- | — | — | — | — | — | — | — | — | — | — |

Accessibility Statement

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| SECTIONALIZED TOWNSHIP | | | | | |
|------------------------|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |



(Joins Sheet 5)

Sheet #5, Nounan

Sheet #15, Paris

Sheet #11, Montpelier

Sheet #13, Ovid

Sheet #14, Paris Peak

Sheet #16, Georgetown

Sheet #17, Montpelier

Sheet #18, Ovid

Sheet #19, Paris Peak

Sheet #20, Georgetown

Sheet #21, Montpelier

Sheet #22, Ovid

Sheet #23, Paris Peak

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Sheet #178, Ovid

Sheet #179, Paris Peak

Sheet #180, Georgetown

Sheet #181, Montpelier

Sheet #182, Ovid

Sheet #183, Paris Peak

Sheet #184, Georgetown

Sheet #185, Montpelier

Sheet #186, Ovid

Sheet #187, Paris Peak

Sheet #188, Georgetown

Sheet #189, Montpelier

Sheet #190, Ovid

Sheet #191, Paris Peak

Sheet #192, Georgetown

Sheet #193, Montpelier

Sheet #194, Ovid

Sheet #195, Paris Peak

Sheet #196, Georgetown

Sheet #197, Montpelier

Sheet #198, Ovid

Sheet #199, Paris Peak

Sheet #200, Georgetown

Sheet #201, Montpelier

Sheet #202, Ovid

Sheet #203, Paris Peak

Sheet #204, Georgetown

Sheet #205, Montpelier

Sheet #206, Ovid

Sheet #207, Paris Peak

Sheet #208, Georgetown

Sheet #209, Montpelier

Sheet #210, Ovid

Sheet #211, Paris Peak

Sheet #212, Georgetown

Sheet #213, Montpelier

Sheet #214, Ovid

Sheet #215, Paris Peak

Sheet #216, Georgetown

Sheet #217, Montpelier

Sheet #218, Ovid

Sheet #219, Paris Peak

Sheet #220, Georgetown

Sheet #221, Montpelier

Sheet #222, Ovid

Sheet #223, Paris Peak

Sheet #224, Georgetown

Sheet #225, Montpelier

Sheet #226, Ovid

Sheet #227, Paris Peak

Sheet #228, Georgetown

Sheet #229, Montpelier

Sheet #230, Ovid

Sheet #231, Paris Peak

Sheet #232, Georgetown

Sheet #233, Montpelier

Sheet #234, Ovid

Sheet #235, Paris Peak

Sheet #236, Georgetown

Sheet #237, Montpelier

Sheet #238, Ovid

Sheet #239, Paris Peak

Sheet #240, Georgetown

Sheet #241, Montpelier

Sheet #242, Ovid

Sheet #243, Paris Peak

Sheet #244, Georgetown

Sheet #245, Montpelier

Sheet #246, Ovid

Sheet #247, Paris Peak

Sheet #248, Georgetown

Sheet #249, Montpelier

Sheet #250, Ovid

Sheet #251, Paris Peak

Sheet #252, Georgetown

Sheet #253, Montpelier

Sheet #254, Ovid

Sheet #255, Paris Peak

Sheet #256, Georgetown

Sheet #257, Montpelier

Sheet #258, Ovid

Sheet #259, Paris Peak

Sheet #260, Georgetown

Sheet #261, Montpelier

Sheet #262, Ovid

Sheet #263, Paris Peak

Sheet #264, Georgetown

Sheet #265, Montpelier

Sheet #266, Ovid

Sheet #267, Paris Peak

Sheet #268, Georgetown

Sheet #269, Montpelier

Sheet #270, Ovid

Sheet #271, Paris Peak

Sheet #272, Georgetown

Sheet #273, Montpelier

Sheet #274, Ovid

Sheet #275, Paris Peak

Sheet #276, Georgetown

Sheet #277, Montpelier

Sheet #278, Ovid

Sheet #279, Paris Peak

Sheet #280, Georgetown

Sheet #281, Montpelier

Sheet #282, Ovid

Sheet #283, Paris Peak

Sheet #284, Georgetown

Sheet #285, Montpelier

Sheet #286, Ovid

Sheet #287, Paris Peak

Sheet #288, Georgetown

Sheet #289, Montpelier

Sheet #290, Ovid

Sheet #291, Paris Peak

Sheet #292, Georgetown

Sheet #293, Montpelier

Sheet #294, Ovid

Sheet #295, Paris Peak

Sheet #296, Georgetown

Sheet #297, Montpelier

Sheet #298, Ovid

Sheet #299, Paris Peak

Sheet #300, Georgetown

Sheet #301, Montpelier

Sheet #302, Ovid

Sheet #303, Paris Peak

Sheet #304, Georgetown

Sheet #305, Montpelier

Sheet #306, Ovid

Sheet #307, Paris Peak

Sheet #308, Georgetown

Sheet #309, Montpelier

Sheet #310, Ovid

Sheet #311, Paris Peak

Sheet #312, Georgetown

Sheet #313, Montpelier

Sheet #314, Ovid

Sheet #315, Paris Peak

Sheet #316, Georgetown

Sheet #317, Montpelier

Sheet #318, Ovid

Sheet #319, Paris Peak

Sheet #320, Georgetown

Sheet #321, Montpelier

Sheet #322, Ovid

Sheet #323, Paris Peak

Sheet #324, Georgetown

Sheet #325, Montpelier

Sheet #326, Ovid

(Joins Sheet 6)

Sheet #6, Georgetown

Sheet #7, Meadow Peak

111°22'30"W

R 43 E

R 44 E

111°20'0"W

111°17'30"W

111°15'0"W

42°22'30"N

42°22'30"N

42°20'0"N

42°20'0"N

T 12 S

T 13 S

42°17'30"N

42°17'30"N

42°15'0"N

42°15'0"N

111°22'30"W

111°20'0"W

111°17'30"W

111°15'0"W



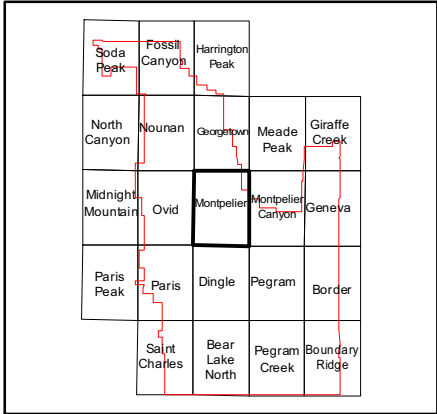
(Joins Sheet 16)

0 4,050 8,100 16,200 Feet

SCALE 1:24000

This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information was acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).



MONTPELIER
IDAHO
7.5 Minute Series
Sheet Number 11 of 22

R 44 E

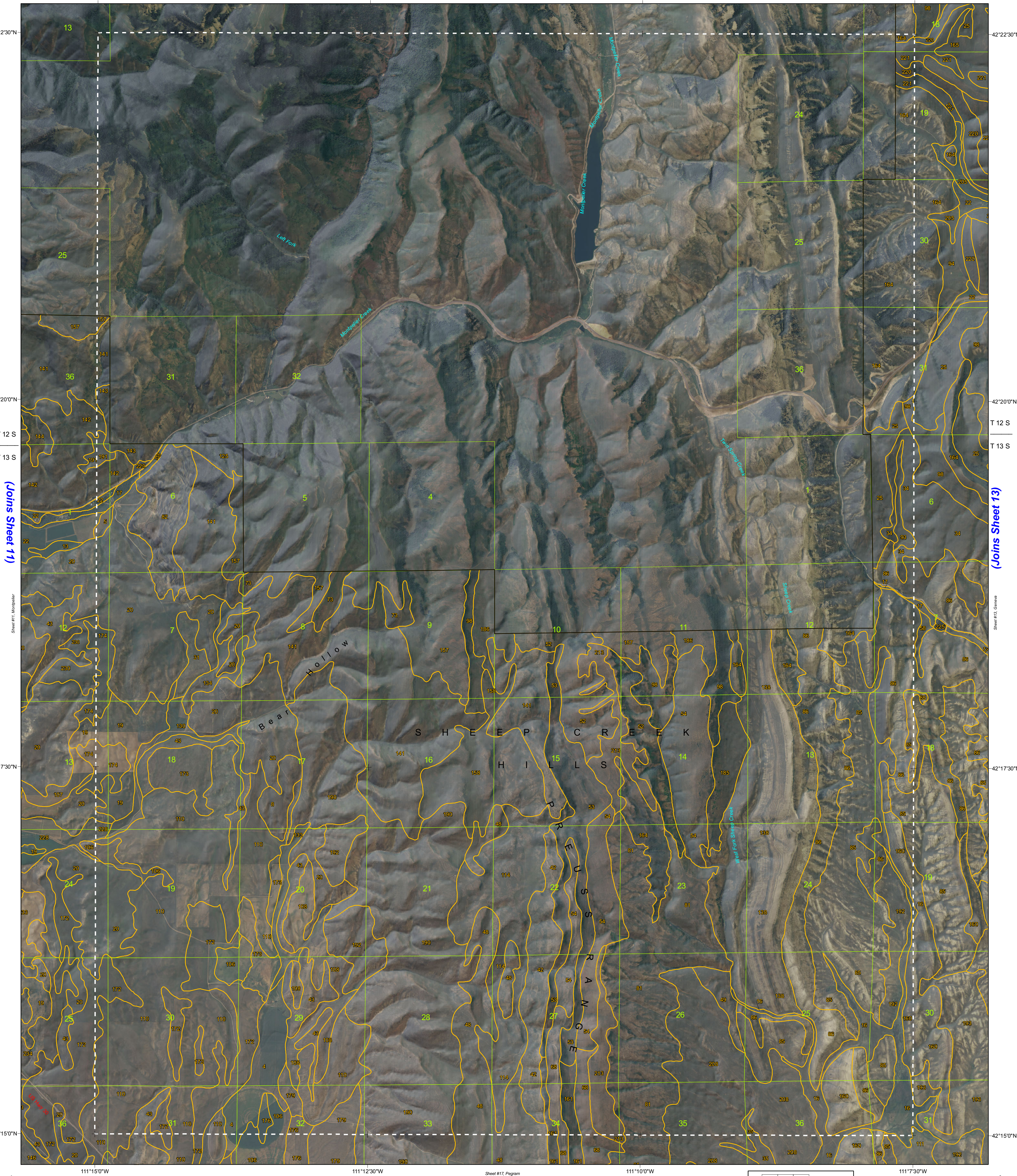
R 45 E

Sheet #17, Pigeon

(Joins Sheet 7)

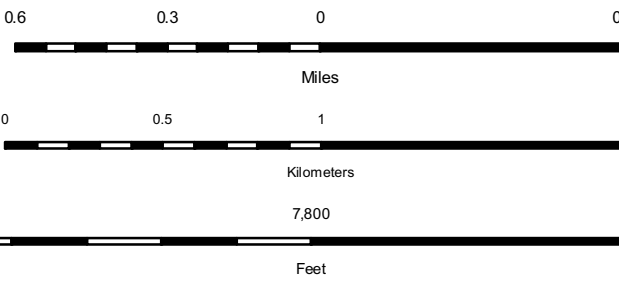
Sheet #7, Meade Peak

Sheet #8, Grapple Creek

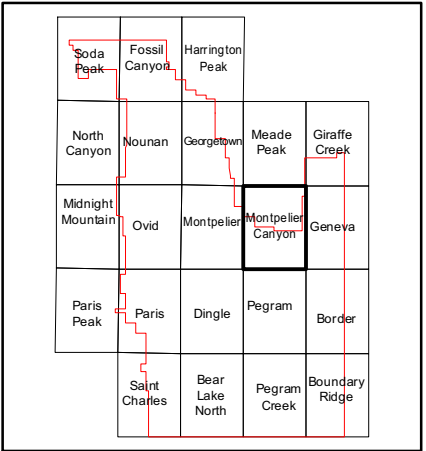


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North American Datum of 1983 (NAD83).



SCALE 1:24000



MONTPELIER CANYON
IDAHO
7.5 Minute Series
Sheet Number 12 of 22

(Joins Sheet 8)

Sheet #7, Lincoln Peak

R 45 E

R 46 E

111°7'30"W

111°5'0"W

Sheet #8, Grapple Creek

111°2'30"W

111°0'0"W

42°22'30"N

42°22'30"N

42°20'0"N

42°20'0"N

T 12 S

T 13 S

42°17'30"N

42°17'30"N

42°15'0"N

42°15'0"N

111°7'30"W

111°5'0"W

111°2'30"W

111°0'0"W

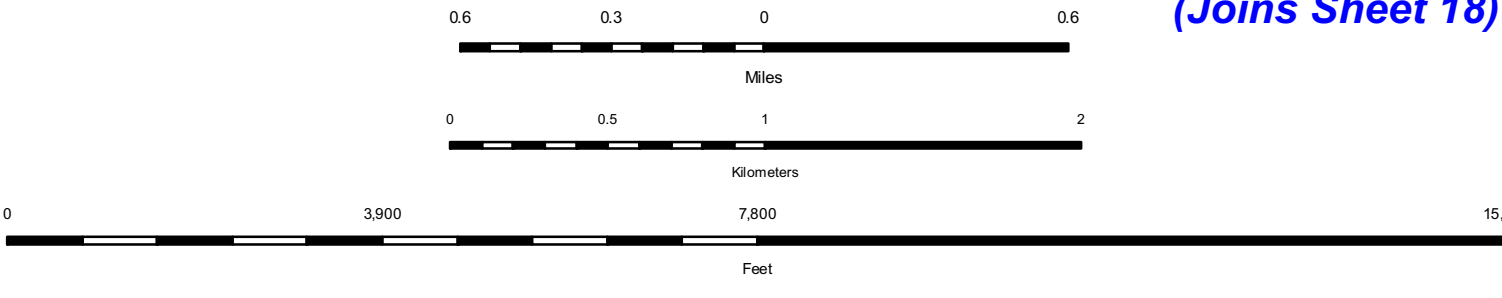
(Joins Sheet 12)

Sheet #12, Monks Canyon

Sheet #17, Pyramid

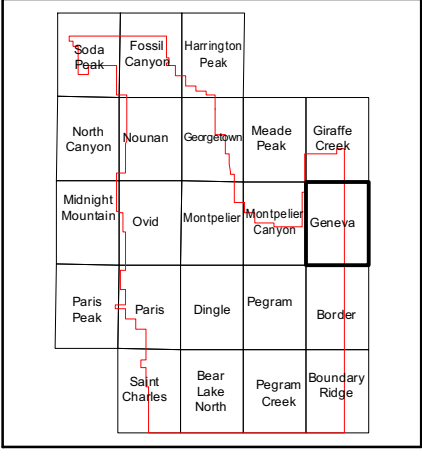
This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information were acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).



(Joins Sheet 18)

Sheet #18, Border



GENEVA
IDAHO
7.5 Minute Series
Sheet Number 13 of 22

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Elmwood Ditch

Francis Ditch

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

Raymond Creek

R 41 E
R 42 E

(Joins Sheet 9)

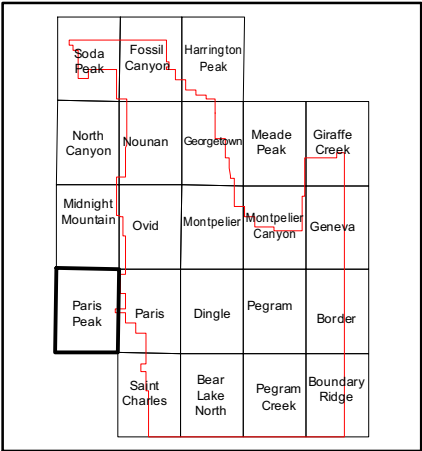
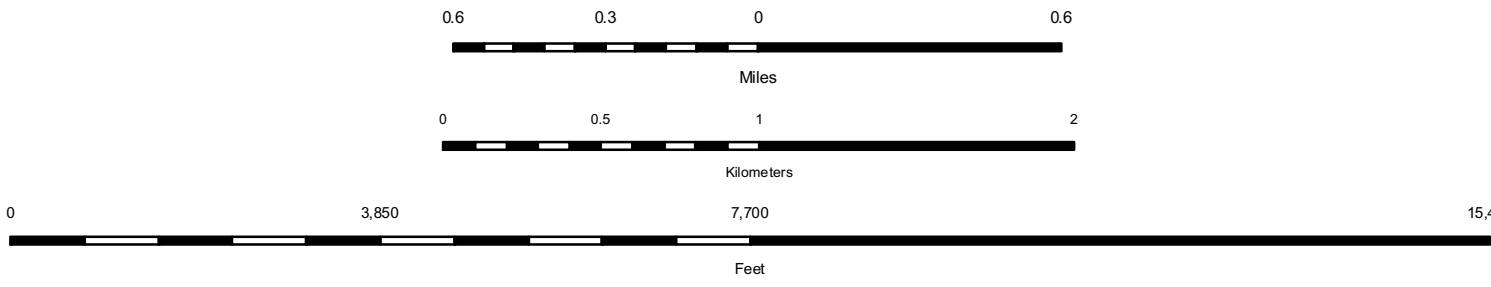
Sheet #9, Midnight Mountain

Sheet #10, Oak



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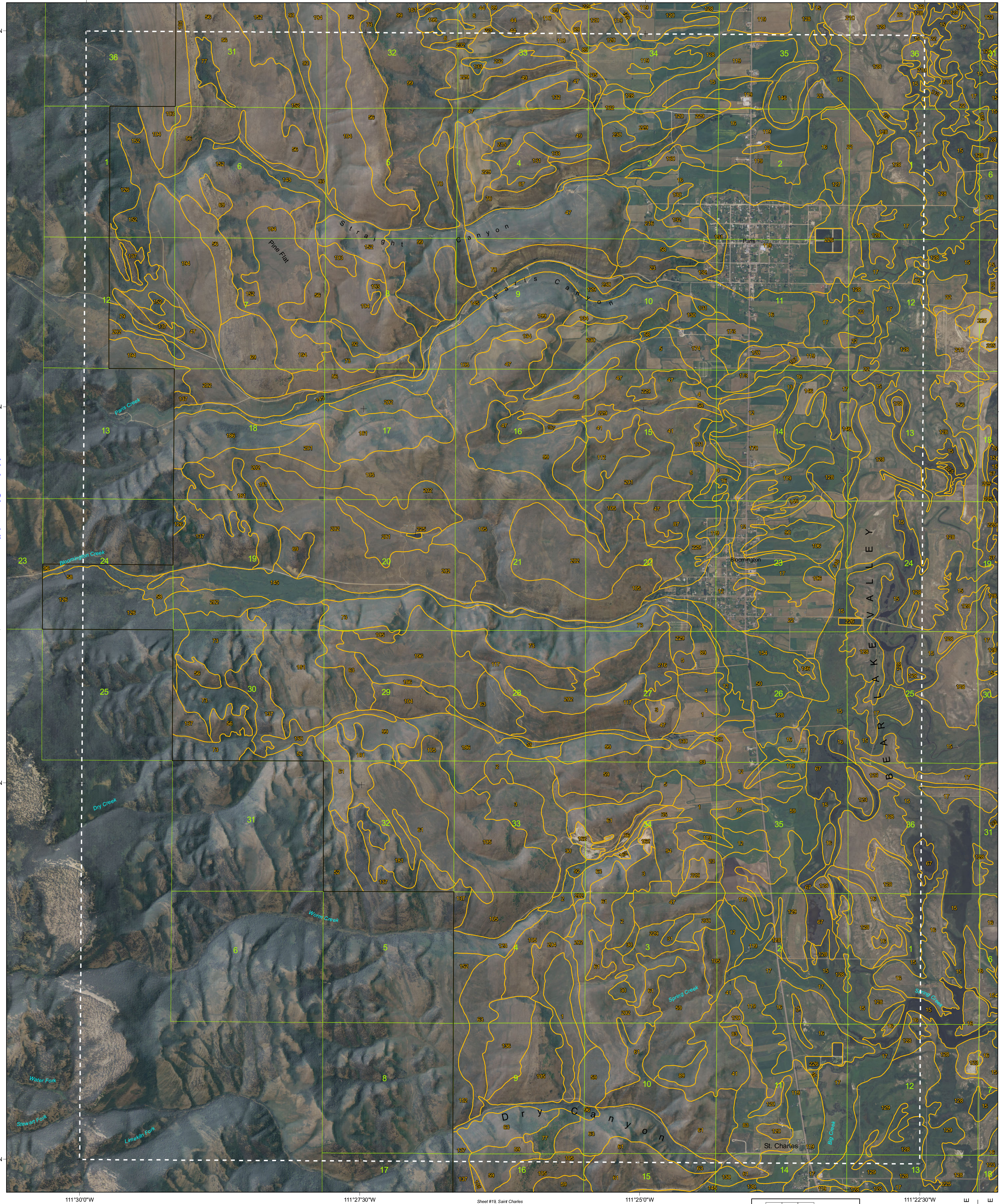
North American Datum of 1983 (NAD83).



PARIS PEAK
IDAHO
7.5 Minute Series
Sheet Number 14 of 22

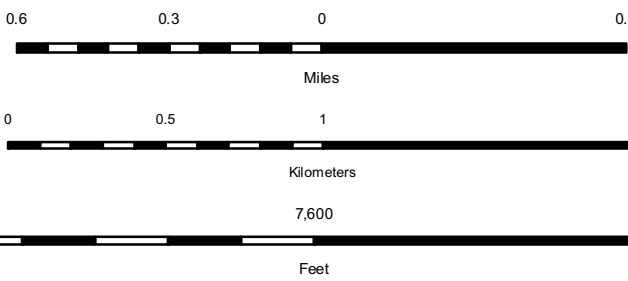
Sheet #10, Salt Creek

(Joins Sheet 10)

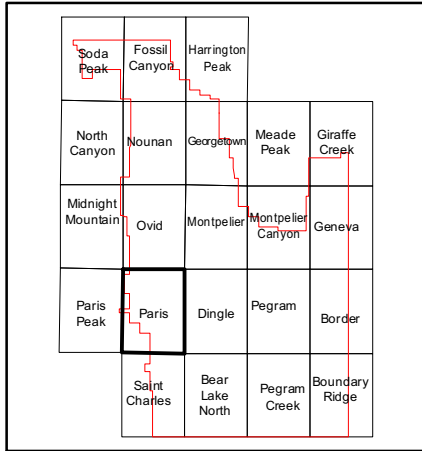


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North American Datum of 1983 (NAD83).



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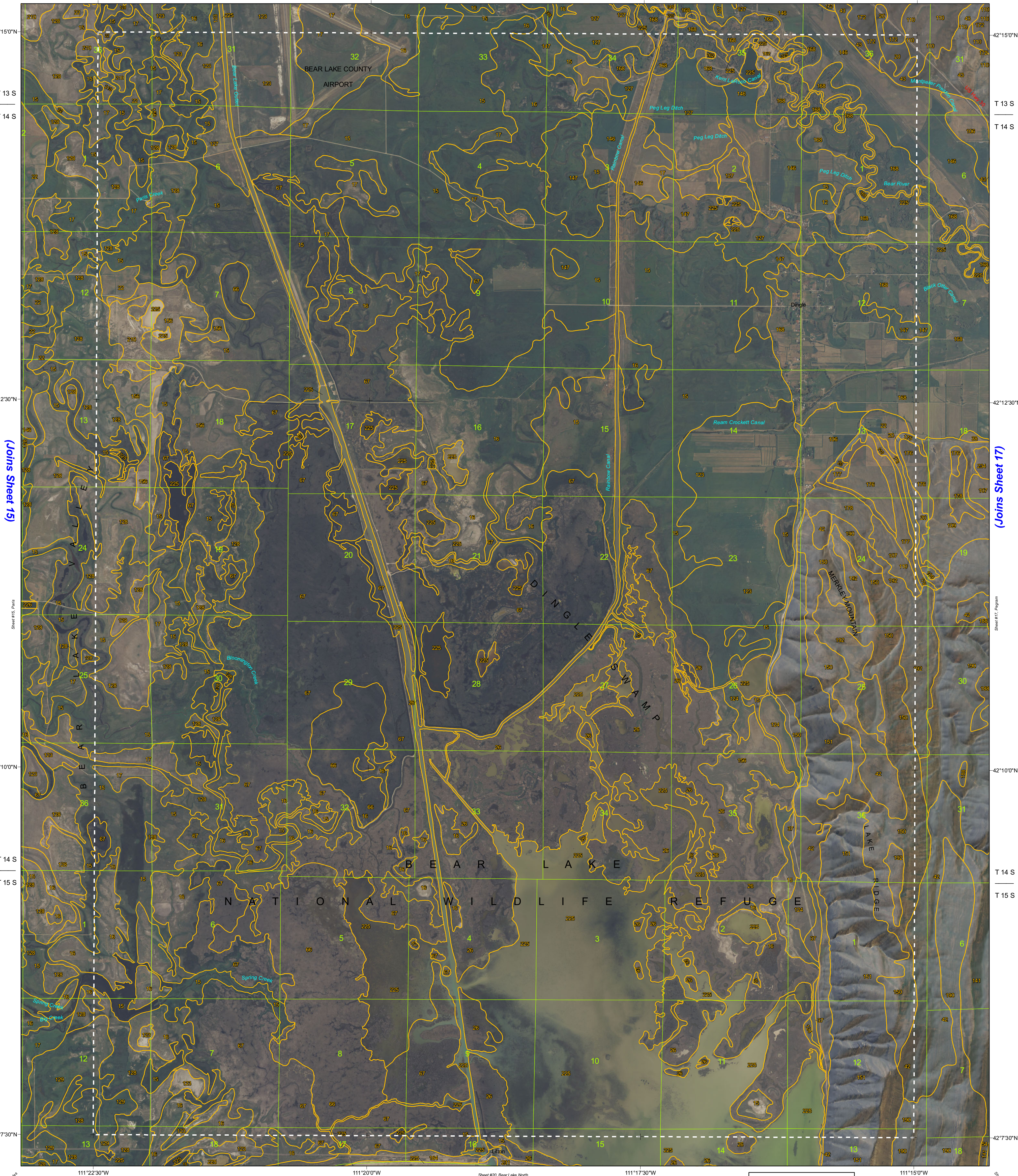


PARIS
IDAHO
7.5 Minute Series
Sheet Number 15 of 22

(Joins Sheet 11)

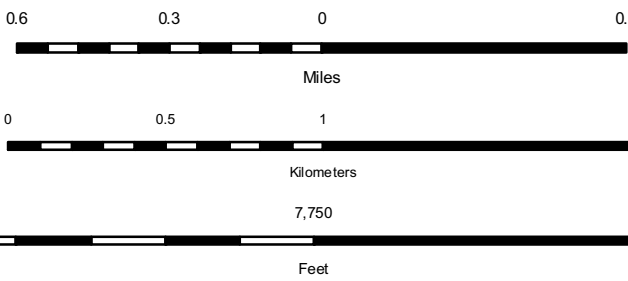
Sheet #11, Montpelier

Sheet #12, Montpelier Canyon

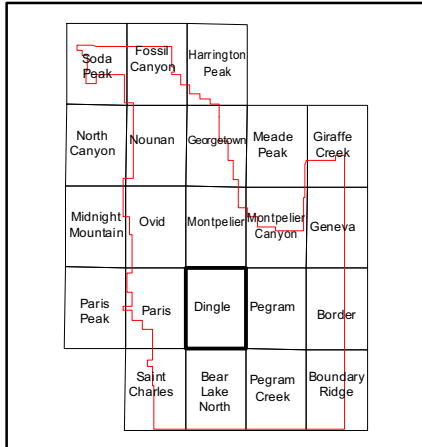


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North American Datum of 1983 (NAD83).



SCALE 1:24000



DINGLE
IDAHO
7.5 Minute Series
Sheet Number 16 of 22

(Joins Sheet 12)

Sheet #12, Montpelier Canyon

Sheet #13, Geneva

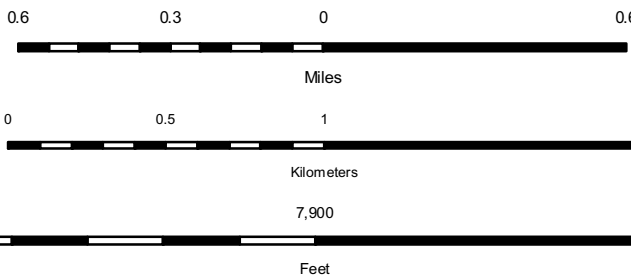
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(Joins Sheet 18)



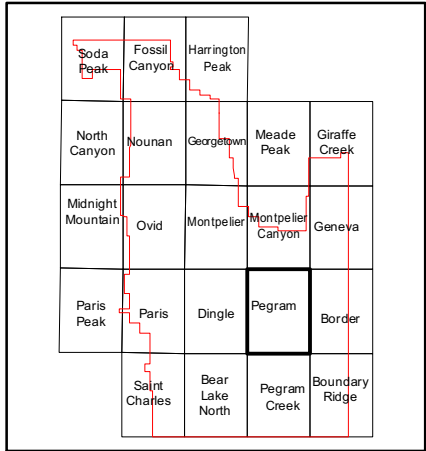
This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information were acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).



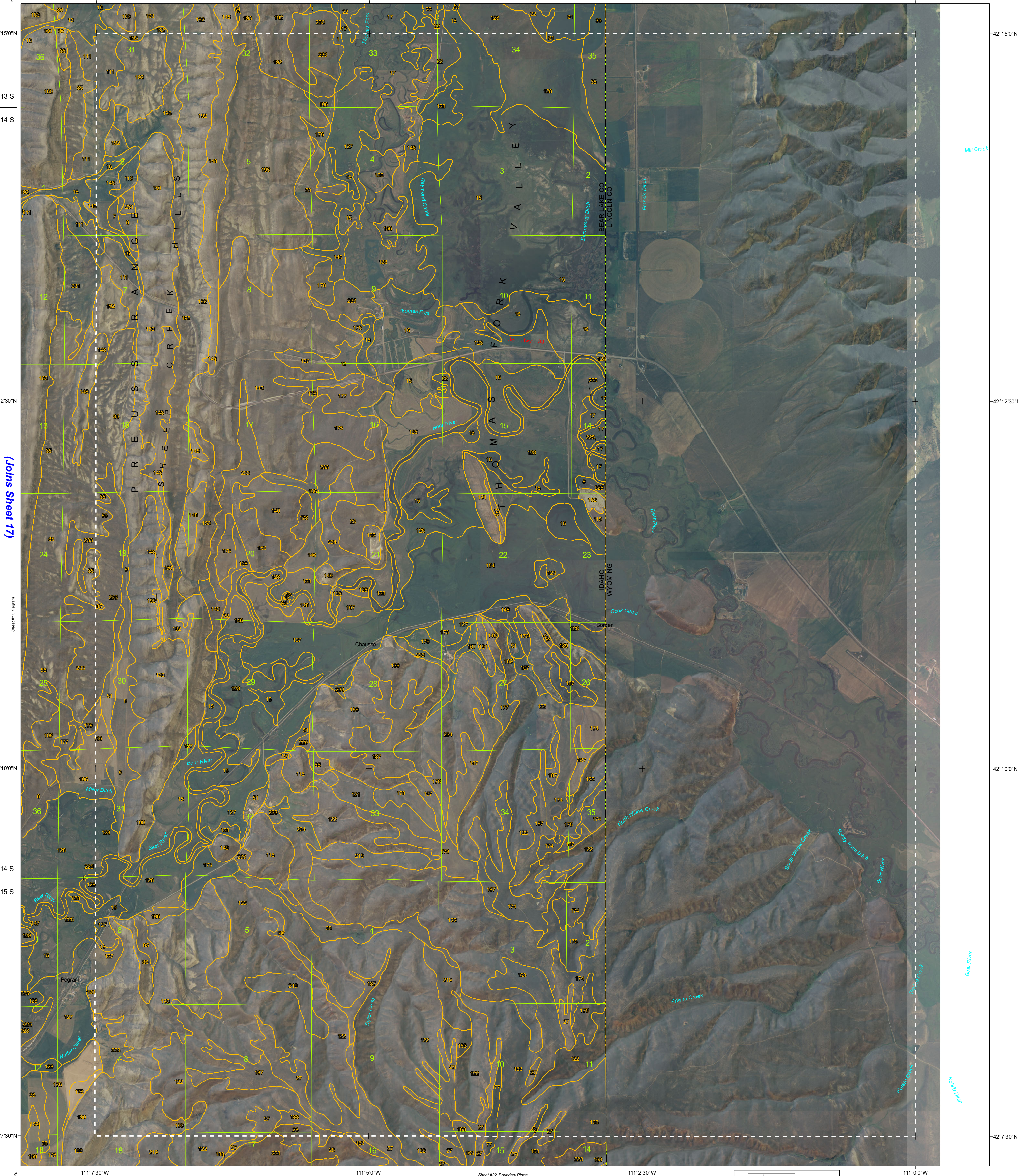
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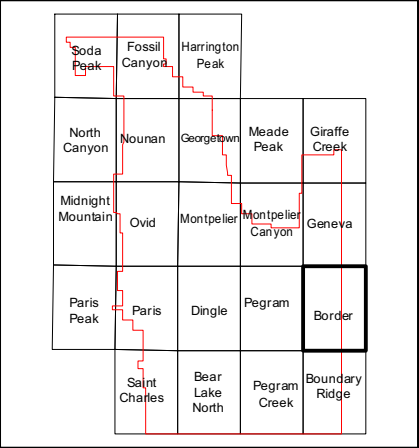
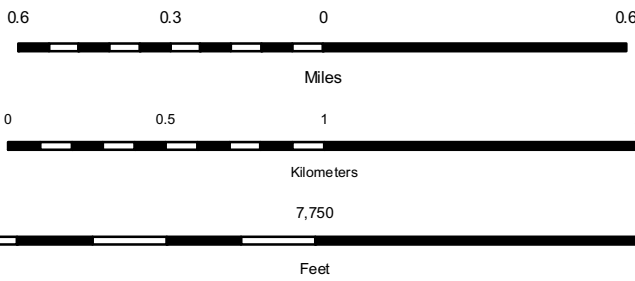
PEGRAM
IDAHO
7.5 Minute Series
Sheet Number 17 of 22

(Joins Sheet 18)



This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information was acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).

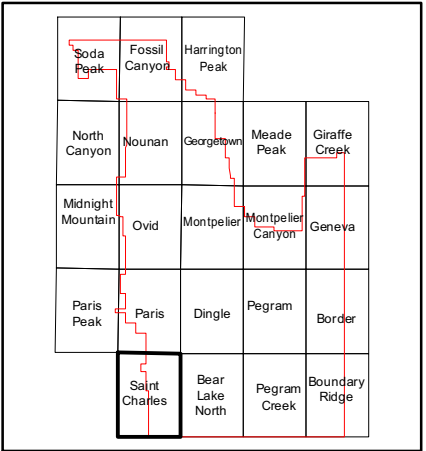
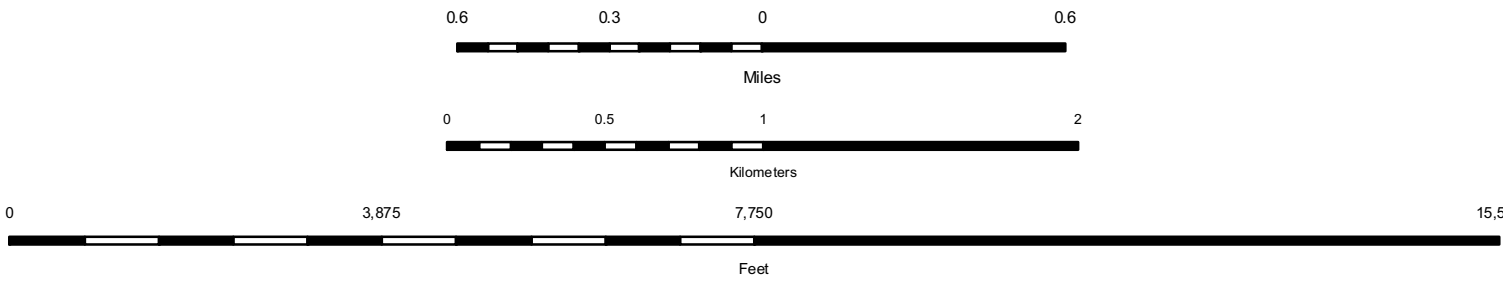


BORDER
IDAHO
7.5 Minute Series
Sheet Number 18 of 22



This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information were acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

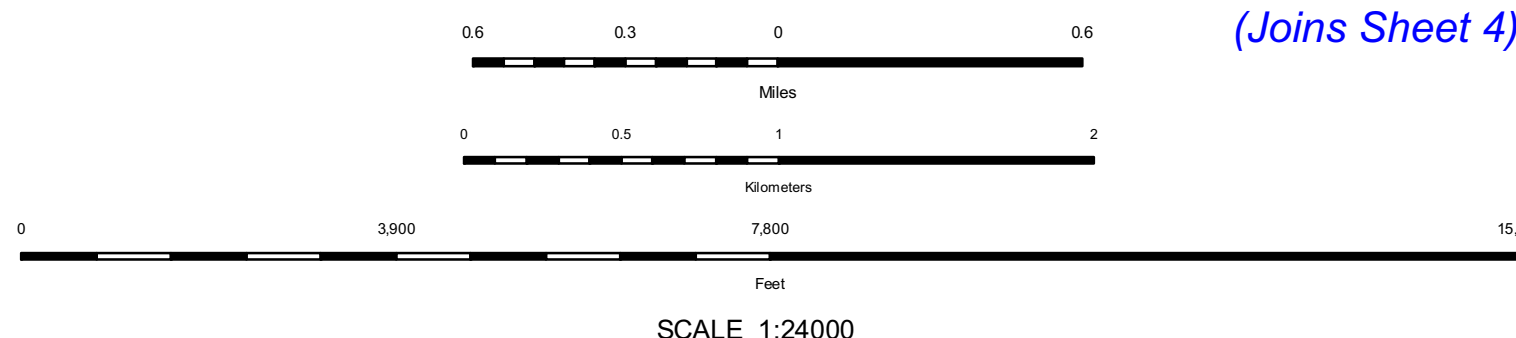
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SAINT CHARLES
IDAHO
7.5 Minute Series
Sheet Number 19 of 22



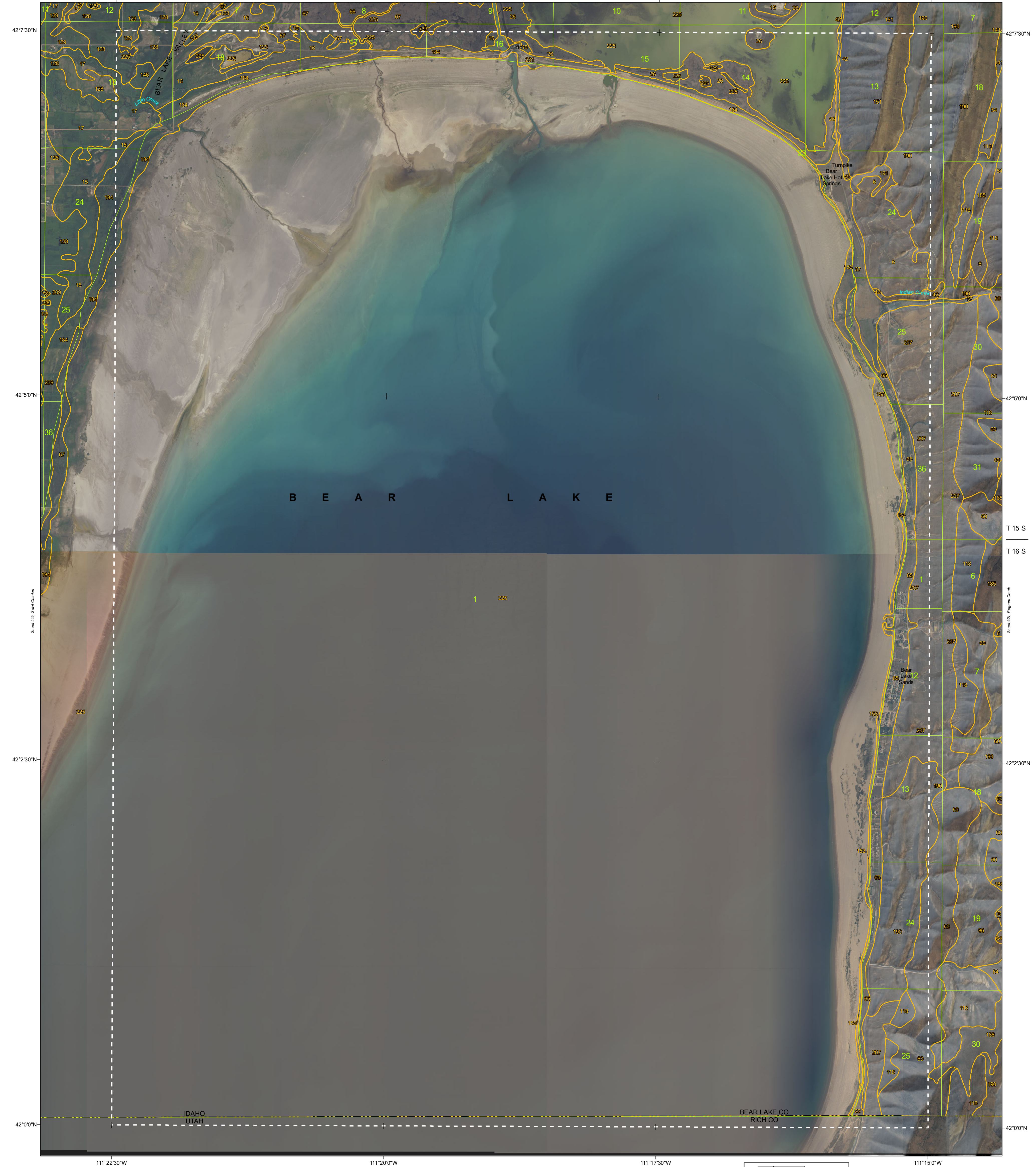
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SODA PEAK
IDAHO
7.5 Minute Series
Sheet Number 1 of 22

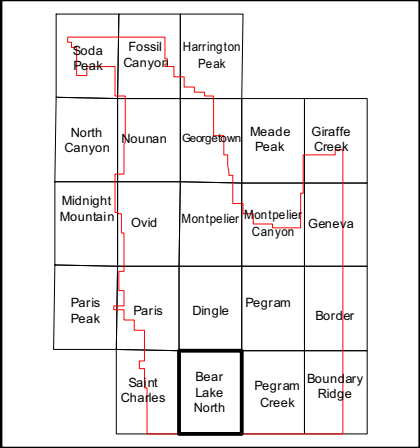
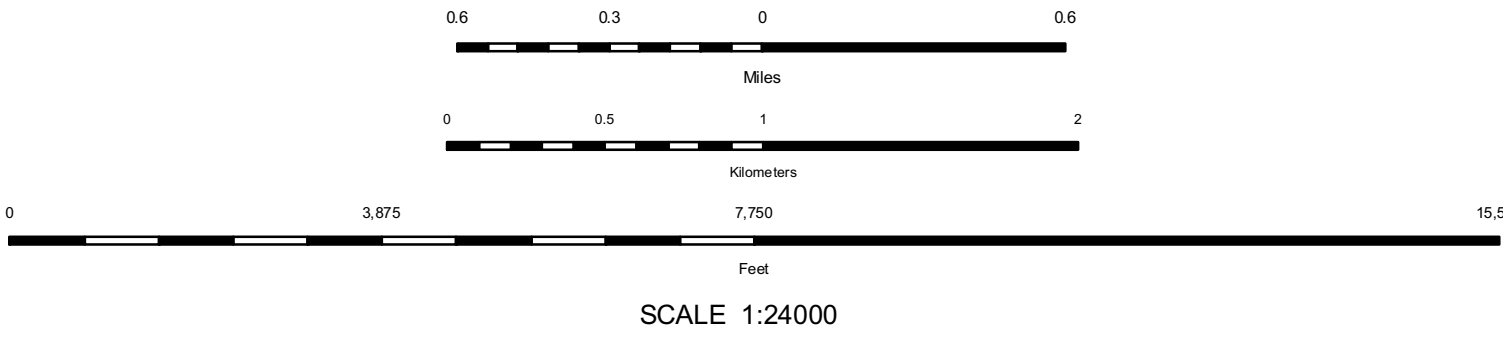
Sheet #15, Pais

Sheet #17, Pogram



This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information were acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).



BEAR LAKE NORTH
IDAHO
7.5 Minute Series
Sheet Number 20 of 22

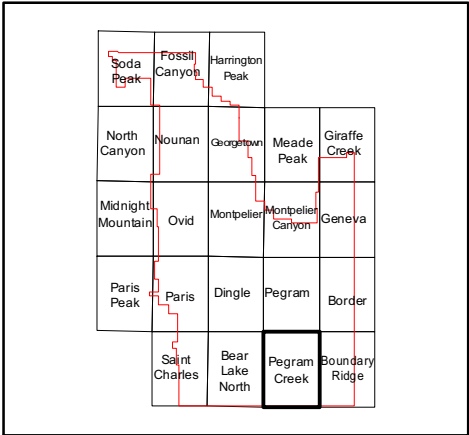
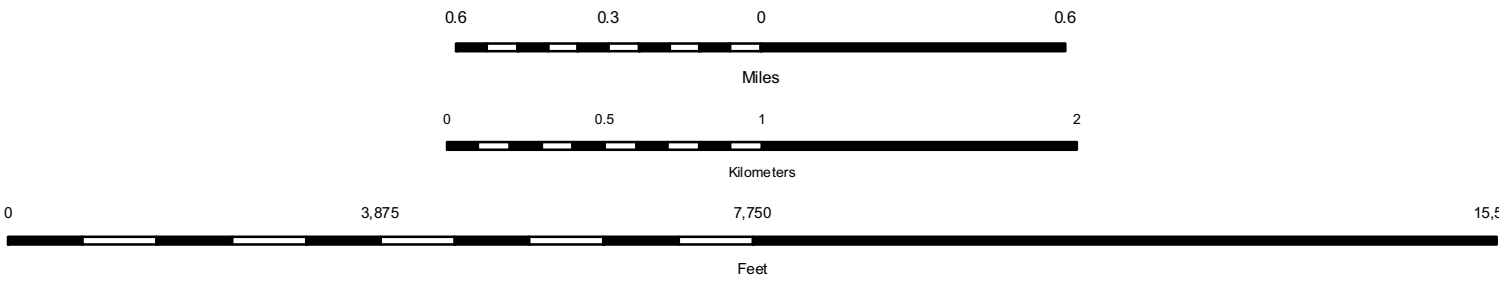
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Sheet #18, Border

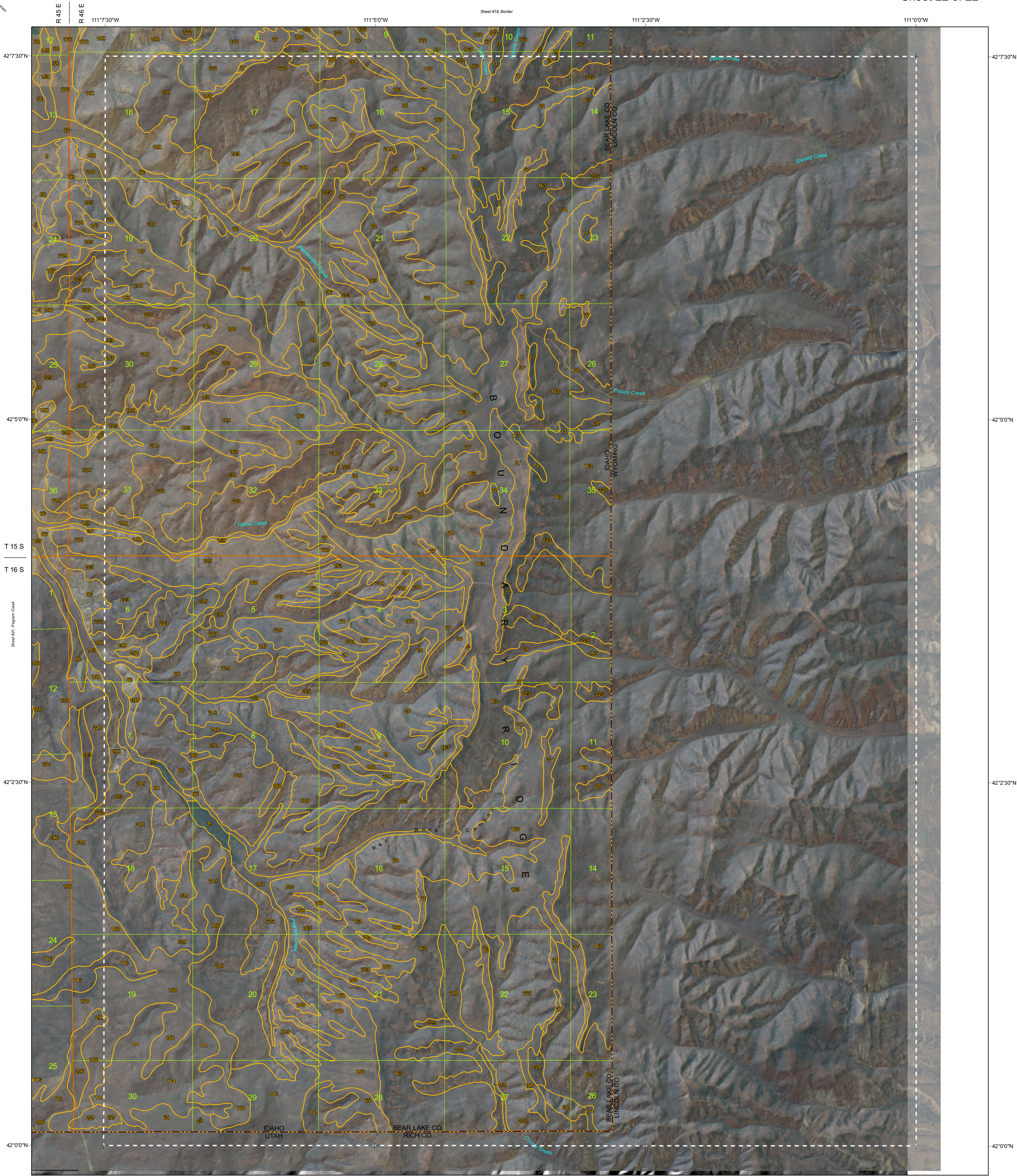


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North American Datum of 1983 (NAD83).

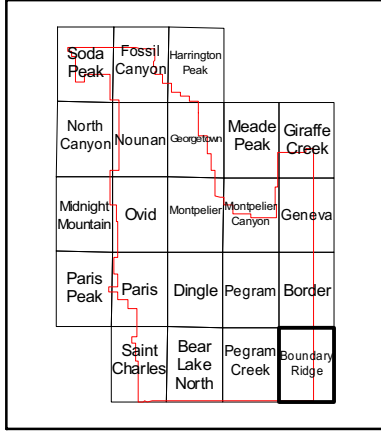
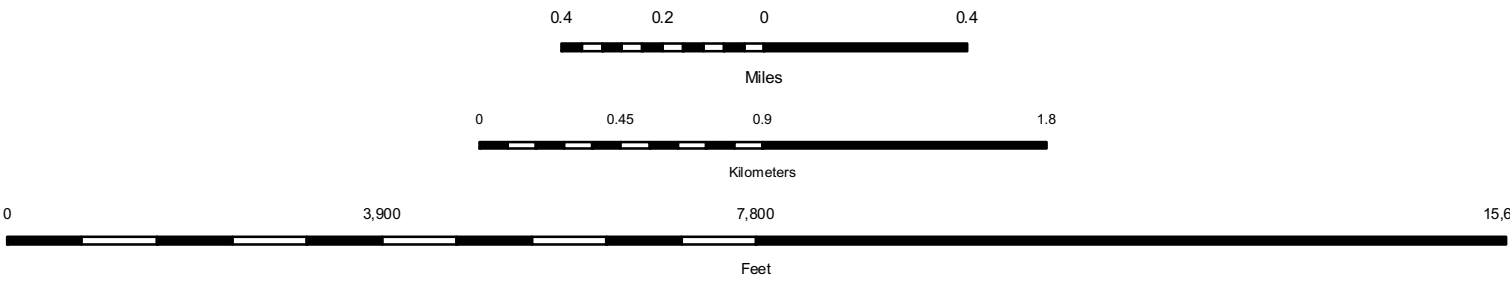


PEGRAM CREEK
IDAHO
7.5 Minute Series
Sheet Number 21 of 22



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North American Datum of 1983 (NAD83).

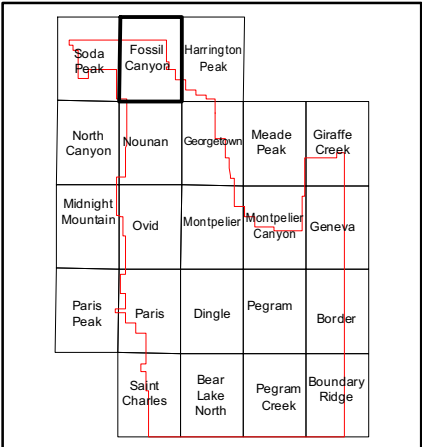
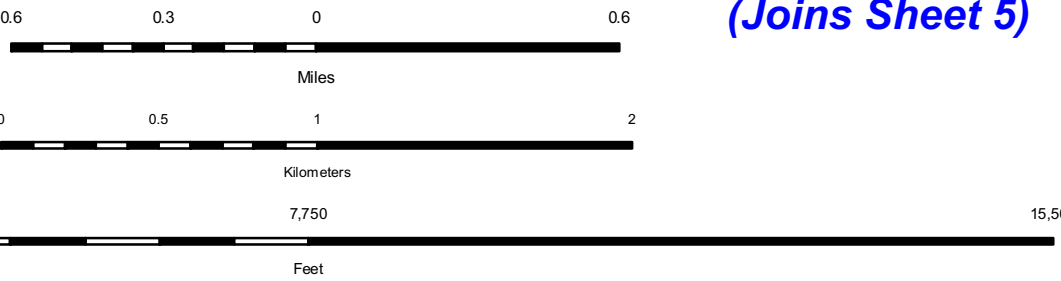


BOUNDARY RIDGE
IDAHO
7.5 Minute Series
Sheet Number 22 of 22



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North American Datum of 1983 (NAD83).

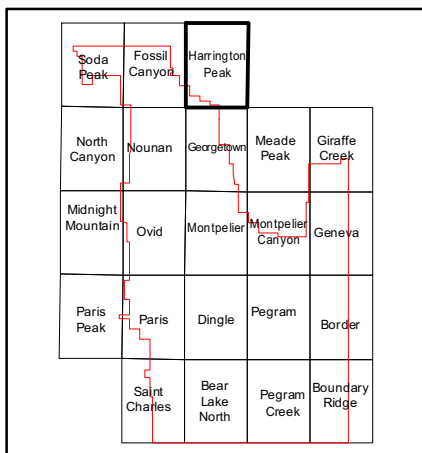
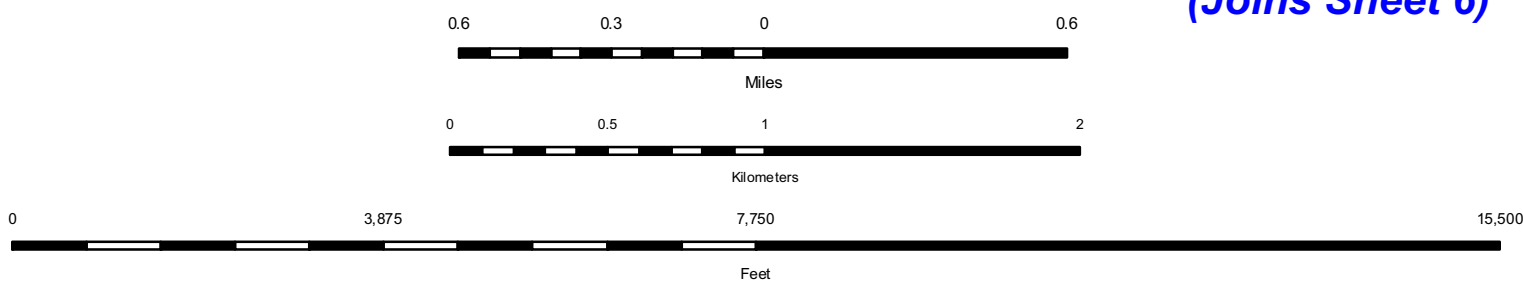


FOSSIL CANYON
IDAHO
7.5 Minute Series
Sheet Number 2 of 22



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North American Datum of 1983 (NAD83).



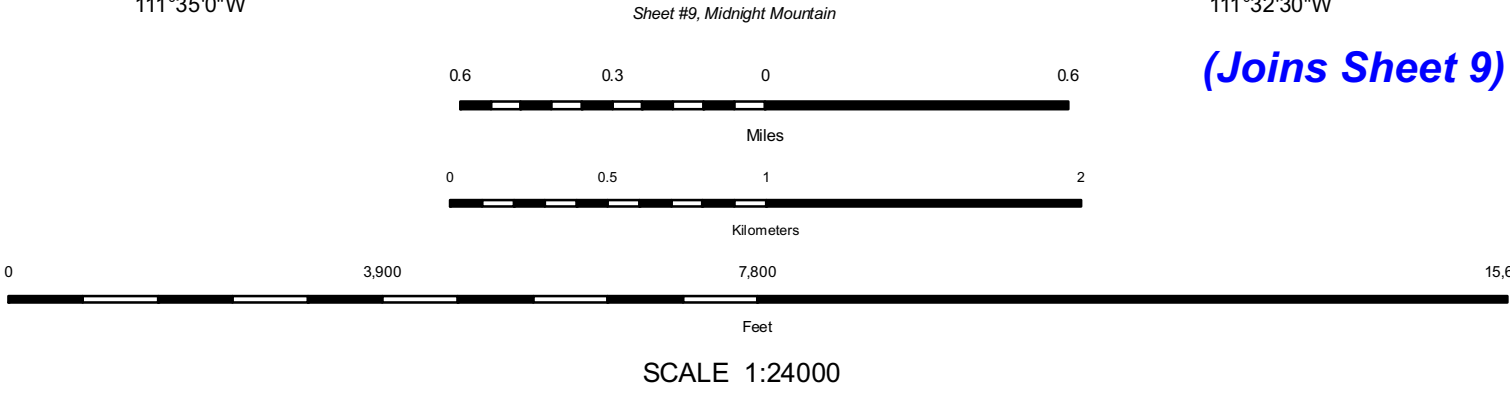
HARRINGTON PEAK
IDAHO
7.5 Minute Series
Sheet Number 3 of 22

(Joins Sheet 1)

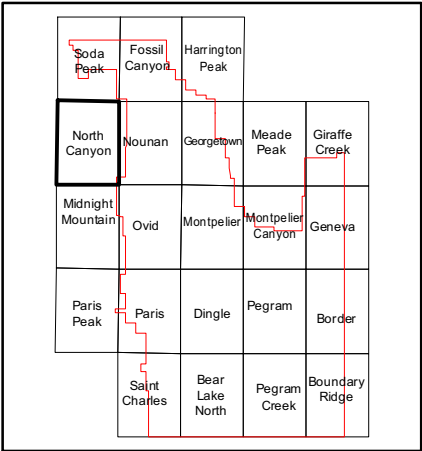


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North American Datum of 1983 (NAD83).



(Joins Sheet 9)



NORTH CANYON
IDAHO
7.5 Minute Series
Sheet Number 4 of 22

(Joins Sheet 2)

Sheet #2, Fossil Canyon

Sheet #3, Harrison Peak



(Joins Sheet 4)

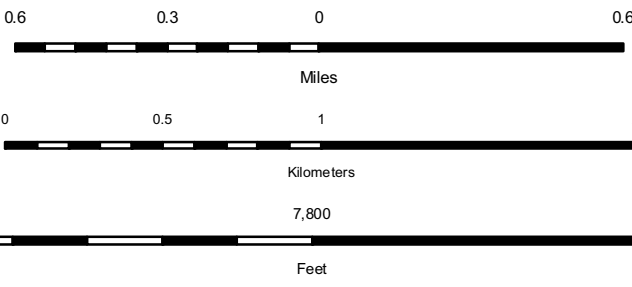
(Joins Sheet 6)

Sheet #9, Middle Mountain

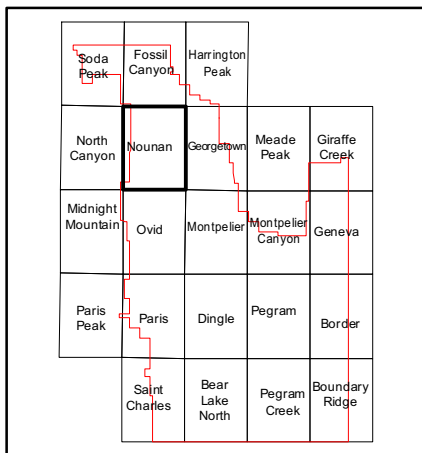
Sheet #11, Middle Mountain

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North American Datum of 1983 (NAD83).



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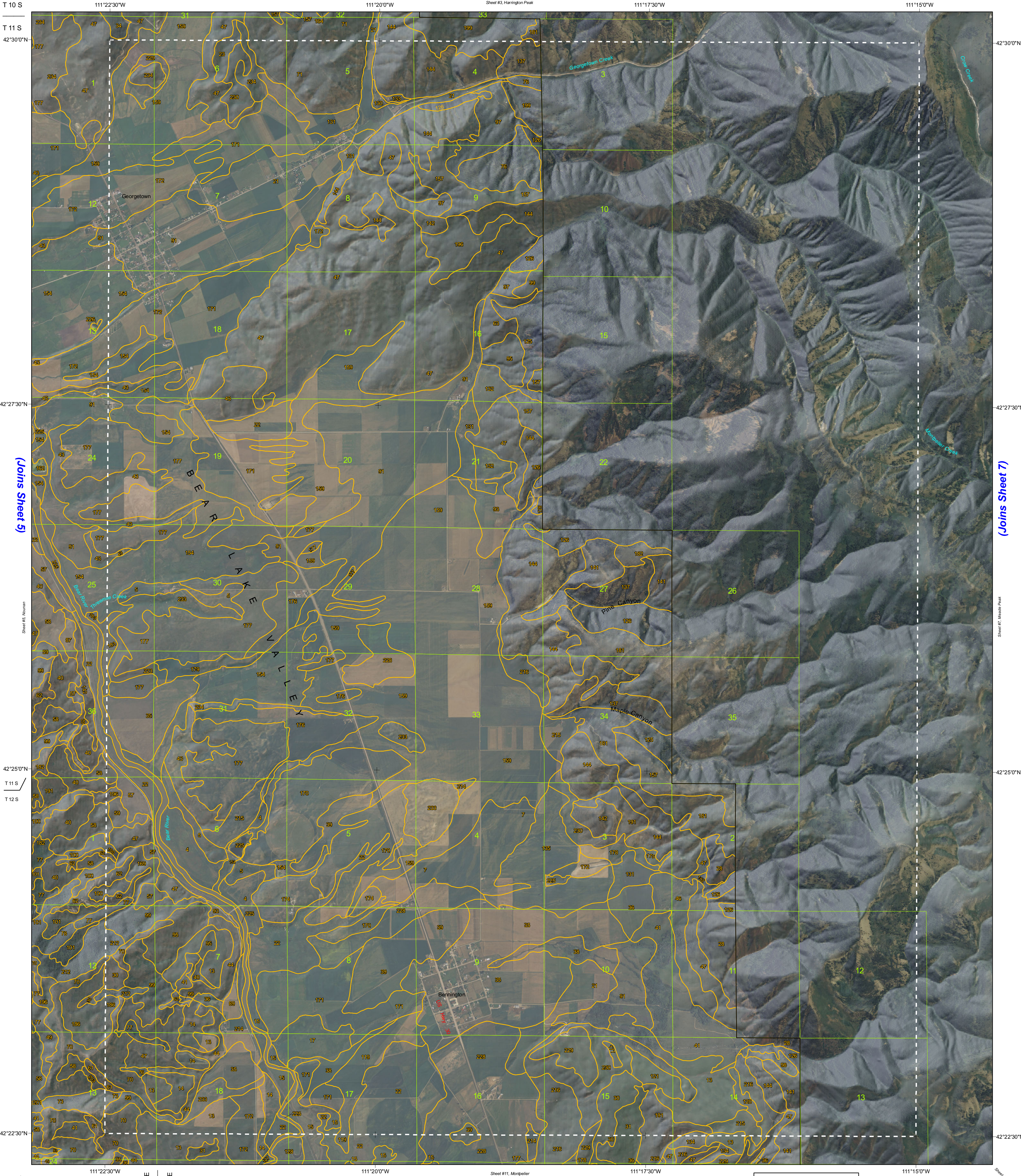


NOUNAN
IDAHO
7.5 Minute Series
Sheet Number 5 of 22

Sheet #5, Road Canyon

(Joins Sheet 3)

Sheet #3, Harrington Peak

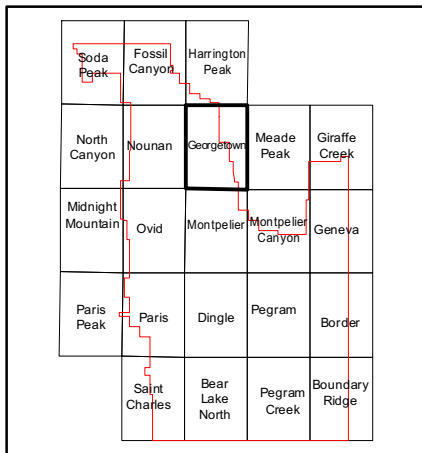


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North American Datum of 1983 (NAD83).



SCALE 1:24000



GEORGETOWN
IDAHO
7.5 Minute Series
Sheet Number 6 of 22

Sheet #10, Ovid
Sheet #12, Montpelier Canyon

Sheet #3, Harrington Peak

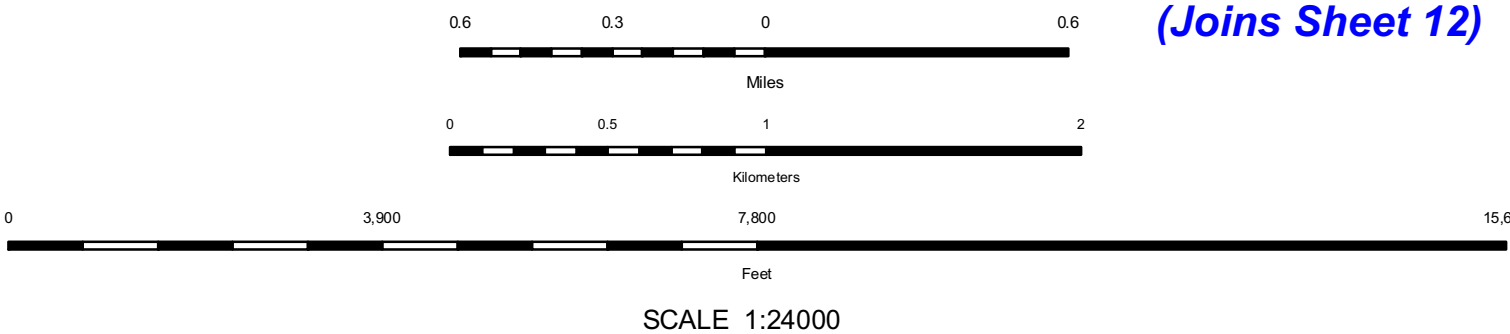


(Joins Sheet 6)

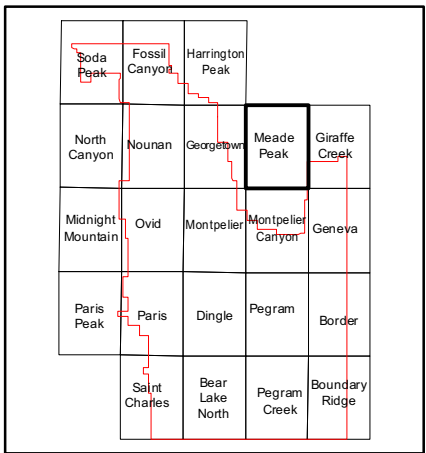
(Joins Sheet 8)

This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information were acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).



(Joins Sheet 12)



MEADE PEAK
IDAHO
7.5 Minute Series
Sheet Number 7 of 22

Sheet #11, Montpelier

Sheet #13, Geneva

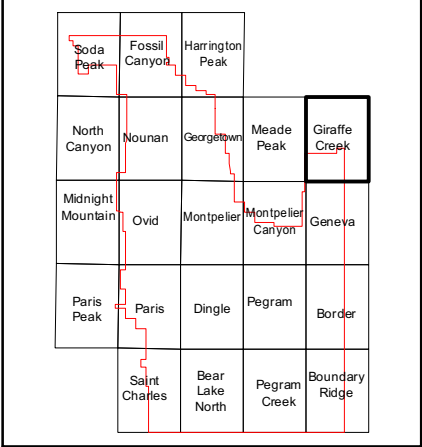


This soil survey was compiled by the U.S. Department of Agriculture, Natural Resources Conservation Service. Base maps are orthophotographs prepared by the U.S. Department of the Interior, Geological Survey, from 2005 - 2008 aerial photography. Culture information were acquired from USGS topo maps and other sources. Hydro information was derived from USGS topo maps and orthophotography. Cultural features and hydro were edited to conform with features represented on the publication orthophotography and to enhance the clarity of the soils information.

North American Datum of 1983 (NAD83).



SCALE 1:24000



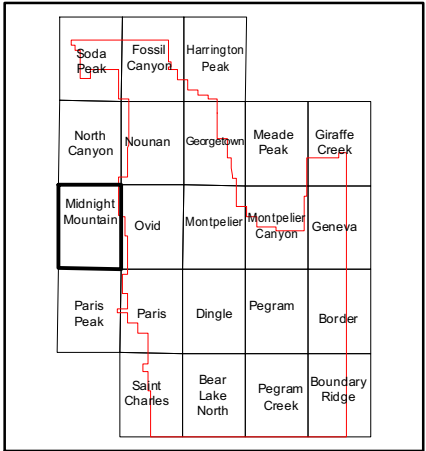
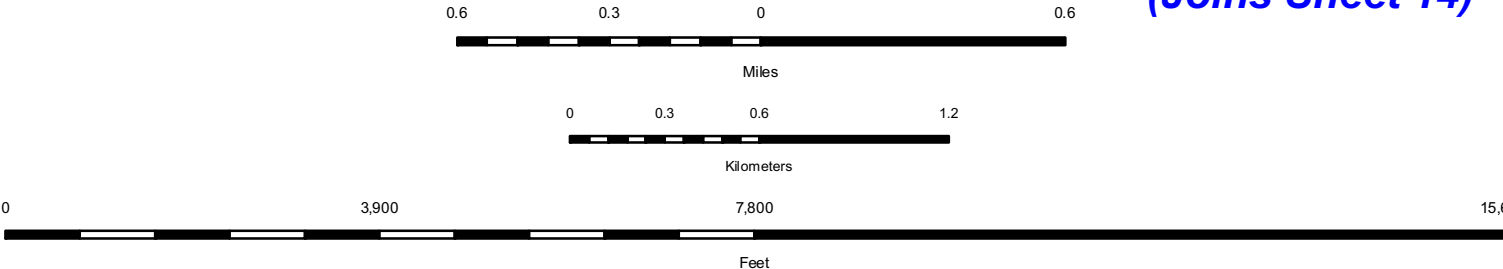
GIRAFFE CREEK
IDAHO
7.5 Minute Series
Sheet Number 8 of 22

Sheet #4, North Canyon

111°32'30"W

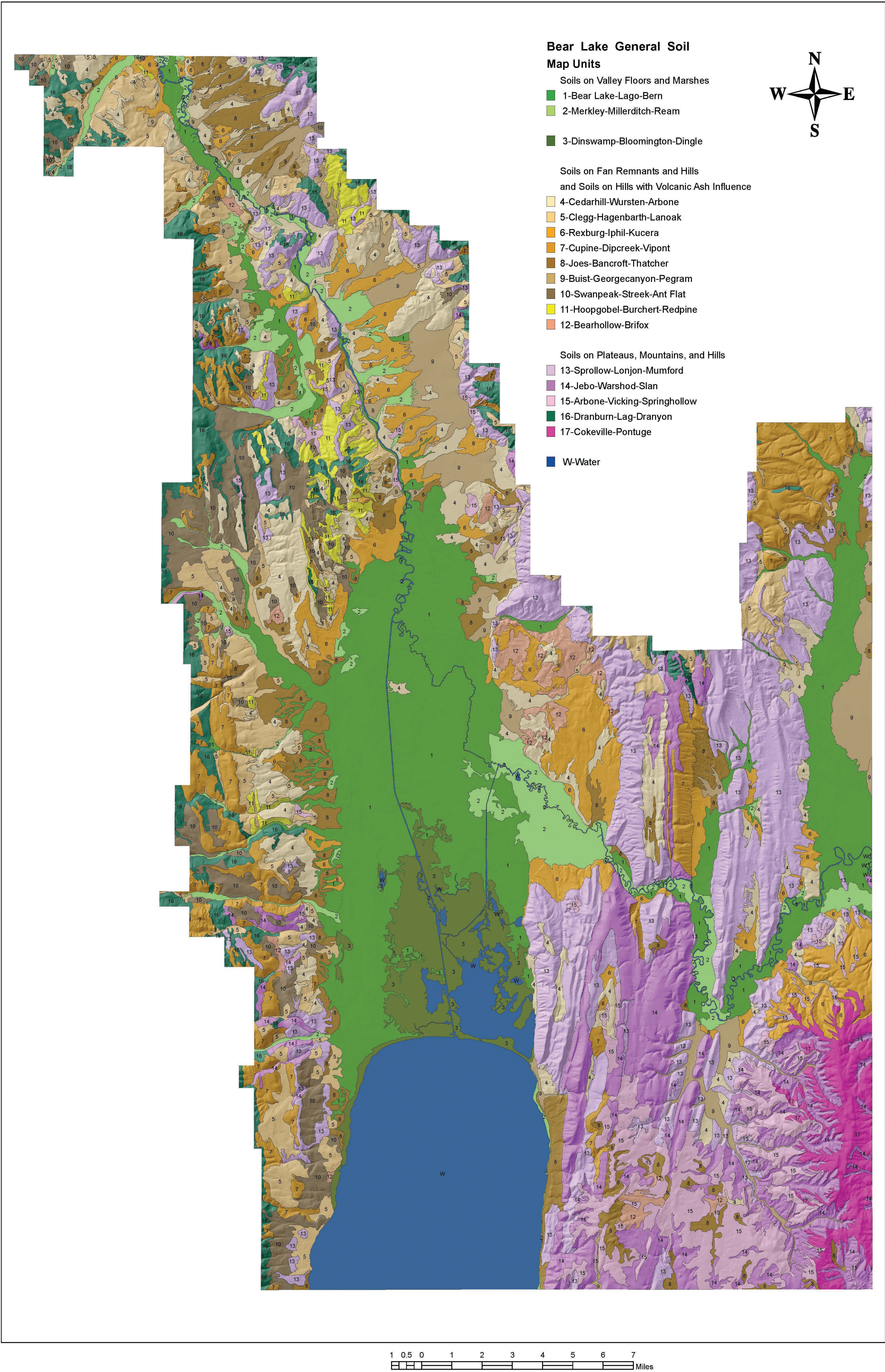
111°30'0"W

Sheet #15, Part 1



MIDNIGHT MOUNTAIN
IDAHO
7.5 Minute Series
Sheet Number 9 of 22

Bear Lake Area General Soil Map



SOIL LEGEND

The publication symbols are numeric and are sequenced by map unit name.

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|--------|---|--------|--|--------|---|
| 1 | Ant Flat silty clay loam, 1 to 4 percent slopes | 61 | Crossley-Rock outcrop complex, 4 to 35 percent slopes | 120 | Joes silt loam, 4 to 15 percent slopes |
| 2 | Ant Flat silty clay loam, 4 to 12 percent slopes | 62 | Crossley-Whitetop-Rock outcrop complex, 8 to 45 percent slopes | 121 | Kucera silt loam, 8 to 20 percent slopes |
| 3 | Ant Flat silty clay loam, 12 to 20 percent slopes | 63 | Cupine-Dunford complex, 20 to 60 percent slopes | 122 | Kucera-Chausse-Rexburg complex, 10 to 45 percent slopes |
| 4 | Arbone silt loam, 1 to 4 percent slopes | 64 | Cupine-Falula complex, dry, 5 to 50 percent slopes | 123 | La Roco silty clay loam, 0 to 2 percent slopes |
| 5 | Arbone silt loam, 4 to 12 percent slopes | 65 | Dennot-Thatcher complex, dry, 2 to 20 percent slopes | 124 | La Roco silty clay loam, saline, 0 to 2 percent slopes |
| 6 | Arbone silt loam, dry, 8 to 25 percent slopes | 66 | Dingle muck, 0 to 2 percent slopes | 125 | Lag-Dollarhide-Rock outcrop complex, 5 to 60 percent slopes |
| 7 | Arbone-Wursten complex, 1 to 4 percent slopes | 67 | Dinswamp mucky peat, 0 to 2 percent slopes | 126 | Lag-Dranyon complex, 10 to 60 percent slopes |
| 8 | Arbone-Wursten complex, 4 to 12 percent slopes | 68 | Dipcreek-Cutoff-Sheep Creek complex, 5 to 50 percent slopes | 127 | Lago silt loam, 0 to 1 percent slopes |
| 9 | Arbone-Wursten complex, dry, 4 to 12 percent slopes | 69 | Dipcreek-Rock outcrop complex, 5 to 30 percent slopes | 128 | Lago-Bear Lake complex, 0 to 1 percent slopes |
| 10 | Bailcreek-Dranburn complex, 10 to 50 percent slopes | 70 | Dirthead-Cedarhill complex, 12 to 45 percent slopes | 129 | Lago-Merkley complex, 0 to 2 percent slopes |
| 11 | Bailcreek-Toponce complex, 4 to 20 percent slopes | 71 | Dirthead-Mumford-Dranburn complex, 10 to 50 percent slopes | 130 | Lanoak silt loam, 1 to 4 percent slopes |
| 12 | Bancroft silt loam, 1 to 4 percent slopes | 72 | Dollarhide very gravelly sandy loam, 5 to 45 percent slopes | 131 | Lanoak silt loam, 4 to 8 percent slopes |
| 13 | Bancroft silt loam, 4 to 12 percent slopes | 73 | Dollarhide-Grunder complex, 15 to 50 percent slopes | 132 | Lanoak silt loam, 8 to 12 percent slopes |
| 14 | Bancroft silt loam, 12 to 25 percent slopes | 74 | Drage-Causey-Lilcan complex, 10 to 35 percent slopes | 133 | Lanoak silt loam, 12 to 20 percent slopes |
| 15 | Bear Lake-Bear Lake, ponded complex, 0 to 1 percent slopes | 75 | Dranburn-Hoogobel-Ledgehollow complex, 10 to 40 percent slopes | 134 | Lanoak-Arbone complex, 12 to 25 percent slopes |
| 16 | Bear Lake-Chesbrook-La Roco complex, 0 to 2 percent slopes | 76 | Dranburn-Pavohroo complex, 10 to 55 percent slopes | 135 | Lanoak-Rexburg complex, 1 to 4 percent slopes |
| 17 | Bear Lake-Lago complex, 0 to 2 percent slopes | 77 | Dranburn-Pontuge complex, 10 to 40 percent slopes | 136 | Lefffork-Cleavage complex, 5 to 40 percent slopes |
| 18 | Bearbou silt loam, 0 to 2 percent slopes | 78 | Dranburn-Poulridge complex, 5 to 45 percent slopes | 137 | Lilcan-Rock outcrop-Jacanyon complex, 2 to 50 percent slopes |
| 19 | Bearhollow-Brifox-Iphil complex, 4 to 12 percent slopes | 79 | Dranyon silt loam, 10 to 40 percent slopes | 139 | Lonjon-Kucera-Sprowlow complex, 10 to 25 percent slopes |
| 20 | Bearhollow-Brifox-Iphil complex, 12 to 35 percent slopes | 80 | Dry Canyon loam, dry, 5 to 30 percent slopes | 140 | Lonjon-Kucera, dry-Sprowlow, dry complex, 5 to 25 percent slopes |
| 21 | Benning silt loam, 1 to 4 percent slopes | 81 | Dry Canyon, dry-Cutoff complex, 12 to 40 percent slopes | 141 | Lonjon-Monida-Chokecherry complex, 5 to 50 percent slopes |
| 22 | Bern silt loam, 0 to 2 percent slopes | 82 | Dumps, mine | 142 | Lonjon-Mumford-Rock outcrop complex, 25 to 50 percent slopes |
| 23 | Bezzant gravelly silt loam, 8 to 25 percent slopes | 83 | Dutchcanyon gravelly silt loam, 4 to 12 percent slopes | 143 | Lonjon-Sheep Creek-Dipcreek complex, 10 to 50 percent slopes |
| 24 | Bezzant-Swanpeak complex, 4 to 35 percent slopes | 84 | Dutchcanyon-Frenchollow complex, 5 to 20 percent slopes | 144 | Lonjon-Sprowlow-Mumford complex, 30 to 60 percent slopes |
| 25 | Bischoff-Hagenbarth complex, 15 to 50 percent slopes | 85 | Everry-Preuss complex, 5 to 25 percent slopes | 145 | Marshdale-Bloomcreek complex, 0 to 3 percent slopes |
| 26 | Bloomington muck, 0 to 2 percent slopes | 86 | Everry-Preuss complex, 25 to 50 percent slopes | 146 | Merkley silt loam, 0 to 2 percent slopes |
| 28 | Boyd hollow-Slan-Cokeville complex, 15 to 65 percent slopes | 87 | Fishaven-Dutchcanyon complex, 8 to 20 percent slopes | 147 | Millerditch-Cookcan complex, 0 to 2 percent slopes |
| 29 | Brifox-Lizdale complex, 4 to 12 percent slopes | 88 | Frenchollow silty clay loam, 1 to 4 percent slopes | 148 | Mumford very gravelly silt loam, 2 to 35 percent slopes |
| 30 | Brifox-Niter complex, 4 to 12 percent slopes | 89 | Frenchollow silty clay loam, 4 to 20 percent slopes | 149 | Mumford-Sprowlow complex, 15 to 45 percent slopes |
| 31 | Brifox-Niter complex, 12 to 25 percent slopes | 90 | Fury silt loam, 0 to 4 percent slopes | 150 | Mumford-Sprowlow, dry complex, 15 to 50 percent slopes |
| 32 | Broadhead silt loam, 1 to 4 percent slopes | 91 | Georgecanyon gravelly silt loam, 1 to 4 percent slopes | 151 | Mumford-Sprowlow, dry complex, 50 to 75 percent slopes |
| 33 | Broadhead silt loam, 4 to 12 percent slopes | 92 | Hades silt loam, 0 to 4 percent slopes | 152 | Nielsen-Dranburn-Hagenbarth complex, 5 to 40 percent slopes |
| 34 | Broadhead-Hades-Swanpeak complex, 10 to 30 percent slopes | 93 | Hades silt loam, 4 to 12 percent slopes | 153 | North Beach extremely cobbly loamy coarse sand, 1 to 6 percent slopes |
| 35 | Buist gravelly silt loam, 1 to 4 percent slopes | 94 | Hades silt loam, 12 to 20 percent slopes | 154 | Nuffer-Blackotter complex, 0 to 2 percent slopes |
| 36 | Buist gravelly silt loam, 4 to 12 percent slopes | 95 | Hades-Horrocks complex, 10 to 30 percent slopes | 155 | Nythar-Sagollow complex, 0 to 5 percent slopes |
| 37 | Buist gravelly silt loam, dry, 4 to 12 percent slopes | 96 | Hagenbarth-Clegg complex, 5 to 35 percent slopes | 156 | Ovidcreek silt loam, 0 to 2 percent slopes |
| 38 | Buist very gravelly silt loam, 1 to 4 percent slopes | 97 | Hagenbarth-Dranburn complex, 10 to 45 percent slopes | 157 | Parding-Firading-Hagenbarth complex, 5 to 40 percent slopes |
| 39 | Buist-Arbone complex, 1 to 4 percent slopes | 98 | Hagenbarth-Horrocks complex, 20 to 50 percent slopes | 158 | Parding-Firading-Hagenbarth complex, dry, 5 to 25 percent slopes |
| 40 | Burchert-Whitetop complex, 10 to 45 percent slopes | 99 | Hagenbarth-Zeebar-Dranburn complex, 5 to 45 percent slopes | 159 | Pegram silt loam, 1 to 4 percent slopes |
| 41 | Cedarhill gravelly silt loam, 5 to 25 percent slopes | 100 | Hoogobel-Cadero complex, 10 to 35 percent slopes | 160 | Pinegap-Lonjon complex, 35 to 65 percent slopes |
| 42 | Cedarhill gravelly silt loam, dry, 10 to 40 percent slopes | 101 | Hoogobel-Slights complex, 15 to 35 percent slopes | 161 | Pinehollow-Ant Flat-Sheep Creek complex, 2 to 35 percent slopes |
| 43 | Cedarhill-Bearhollow complex, 5 to 20 percent slopes | 102 | Horrocks-Cedarhill complex, 12 to 50 percent slopes | 162 | Pits, gravel |
| 44 | Cedarhill-Buist complex, 10 to 30 percent slopes | 103 | Horrocks-Cleavage complex, 1 to 12 percent slopes | 163 | Pontuge-Cokeville complex, 10 to 35 percent slopes |
| 45 | Cedarhill-Burchert complex, 5 to 50 percent slopes | 104 | Horrocks-Cleavage complex, 12 to 55 percent slopes | 164 | Preussrange-Halfcircle complex, 12 to 60 percent slopes |
| 46 | Cedarhill-Clegg complex, 2 to 20 percent slopes | 105 | Hutchley-Cupine-Vitale complex, 2 to 60 percent slopes | 165 | Prucree-Dipcreek complex, 4 to 20 percent slopes |
| 47 | Cedarhill-Clegg-Drage complex, 5 to 55 percent slopes | 106 | Iphil silt loam, 1 to 4 percent slopes | 166 | Raynal silty clay loam, 0 to 2 percent slopes |
| 48 | Cedarhill-Pinehollow complex, dry, 5 to 45 percent slopes | 107 | Iphil silt loam, 4 to 12 percent slopes | 167 | Raynal-Lago complex, 0 to 2 percent slopes |
| 49 | Cedarhill-Wursten complex, 5 to 35 percent slopes | 108 | Iphil silt loam, 12 to 20 percent slopes | 168 | Ream-Merkley complex, 0 to 2 percent slopes |
| 50 | Chesbrook-Bear Lake complex, 0 to 2 percent slopes | 109 | Iphil-Lanoak-Watercanyon complex, 12 to 25 percent slopes | 169 | Redpine-Draney-Brushstop complex, 8 to 40 percent slopes |
| 51 | Chinhill silt loam, 1 to 4 percent slopes | 110 | Iphil-Watercanyon complex, 2 to 20 percent slopes | 170 | Rexburg silt loam, 1 to 4 percent slopes |
| 52 | Chokecherry-Dranyon complex, 15 to 60 percent slopes | 111 | Iphil-Watercanyon complex, dry, 4 to 12 percent slopes | 171 | Rexburg-Iphil complex, 1 to 4 percent slopes |
| 53 | Chokecherry-Slights-Sheep Creek complex, 5 to 40 percent slopes | 112 | Ireland-Falula-Vicking complex, 15 to 40 percent slopes | 172 | Rexburg-Iphil complex, 4 to 8 percent slopes |
| 54 | Chokecherry-Tubbs Hollow-Sheep Creek, dry complex, 3 to 60 percent slopes | 113 | Jacanyon-Cleavage complex, 10 to 50 percent slopes | 173 | Rexburg-Kucera complex, 1 to 4 percent slopes |
| 55 | Church Springs-Monida complex, dry, 4 to 25 percent slopes | 114 | Jebo-Cokeville-Dennot complex, dry, 5 to 35 percent slopes | 174 | Rexburg-Kucera complex, 4 to 12 percent slopes |
| 56 | Cleavage-Rock outcrop complex, 2 to 45 percent slopes | 115 | Jebo-Cupine complex, 8 to 35 percent slopes | 175 | Rexburg-Kucera complex, 12 to 20 percent slopes |
| 57 | Clegg silt loam, 1 to 4 percent slopes | 116 | Jebo-Cupine complex, dry, 5 to 35 percent slopes | 176 | Rexburg-Ririe complex, 1 to 4 percent slopes |
| 58 | Clegg silt loam, 4 to 20 percent slopes | 117 | Jebo-Dipcreek complex, 5 to 45 percent slopes | 177 | Rexburg-Ririe complex, 4 to 8 percent slopes |
| 59 | Clegg-Grecan complex, 4 to 20 percent slopes | 118 | Jebo-Dipcreek complex, dry, 10 to 55 percent slopes | 178 | Rexburg-Ririe complex, 8 to 12 percent slopes |
| 60 | Coolley-Beehunt complex, dry, 20 to 65 percent slopes | 119 | Joes silt loam, 1 to 4 percent slopes | 179 | Rexburg-Watercanyon complex, 4 to 12 percent slopes |

SOIL LEGEND

| SYMBOL | NAME | SYMBOL | NAME | SYMBOL | NAME |
|--------|--|--------|--|--------|---|
| 180 | Rexburg-Wursten complex, 2 to 12 percent slopes | 199 | Swan Flat-Dranburn complex, 10 to 50 percent slopes | 218 | Vicking silt loam, dry, 12 to 20 percent slopes |
| 181 | Richollow-Dranburn complex, 5 to 50 percent slopes | 200 | Swanpeak cobbly loam, 4 to 12 percent slopes | 219 | Vicking-Cokeville complex, 15 to 35 percent slopes |
| 182 | Richollow-Ledgehollow complex, 5 to 35 percent slopes | 201 | Swanpeak-Ant Flat complex, 1 to 20 percent slopes | 220 | Vipont-Dipcreek complex, 20 to 55 percent slopes |
| 183 | Ririe-Iphil complex, 1 to 4 percent slopes | 202 | Swanpeak-Cloudless complex, 1 to 15 percent slopes | 221 | Vipont-Prucree complex, 15 to 30 percent slopes |
| 184 | Sadducee-Bearbeach complex, 0 to 2 percent slopes | 203 | Swanpeak-Dutchcanyon complex, 20 to 35 percent slopes | 222 | Vipont-Suryon complex, 15 to 50 percent slopes |
| 185 | Sheep Creek-Taylor-Dry Canyon complex, dry, 5 to 60 percent slopes | 204 | Swanpeak-Dutchcanyon-Ant Flat complex, 12 to 20 percent slopes | 223 | Warshod-Slan complex, 15 to 60 percent slopes |
| 186 | Slights-Dranburn complex, 2 to 40 percent slopes | 205 | Thatcher silt loam, 4 to 12 percent slopes | 224 | Warshod-Slan complex, dry, 10 to 35 percent slopes |
| 187 | Springhollow-Arbone complex, 4 to 12 percent slopes | 206 | Thatcher silt loam, dry, 1 to 10 percent slopes | 225 | Water |
| 188 | Springhollow-Arbone complex, dry, 4 to 12 percent slopes | 207 | Thatcher-Church Springs complex, 5 to 30 percent slopes | 226 | Water, miscellaneous |
| 189 | Sprollo-Lonjon complex, 30 to 60 percent slopes | 208 | Thatcher-Clegg complex, 4 to 25 percent slopes | 227 | Watkins Ridge gravelly silt loam, dry, 4 to 12 percent slopes |
| 190 | Sprollo, dry-Lonjon complex, 30 to 60 percent slopes | 209 | Thatcher-Joes complex, 1 to 4 percent slopes | 228 | Wursten silt loam, 1 to 4 percent slopes |
| 191 | Sprollo-Lonjon-Mumford complex, 15 to 30 percent slopes | 210 | Thatcherflats silt loam, 0 to 2 percent slopes | 229 | Wursten silt loam, 4 to 12 percent slopes |
| 192 | Sprollo, dry-Lonjon-Mumford complex, 15 to 30 percent slopes | 211 | Thomasfork silty clay loam, 0 to 2 percent slopes | 230 | Wursten silt loam, 12 to 20 percent slopes |
| 193 | Sprollo-Wursten-Lonjon complex, 5 to 25 percent slopes | 212 | Toponce-Bailcreek complex, 5 to 40 percent slopes | 231 | Wursten silt loam, dry, 4 to 12 percent slopes |
| 194 | Streek-Cleavage complex, 2 to 30 percent slopes | 213 | Tubbs Hollow-Dry Canyon, dry complex, 5 to 35 percent slopes | 232 | Wursten-Bearhollow complex, 10 to 35 percent slopes |
| 195 | Streek, moist-Streek-Swanpeak complex, 2 to 15 percent slopes | 214 | Vicking silt loam, 1 to 4 percent slopes | 233 | Wursten-Rexburg complex, 4 to 12 percent slopes |
| 196 | Streek-Swanpeak complex, 2 to 20 percent slopes | 215 | Vicking silt loam, 4 to 12 percent slopes | 234 | Wursten-Rexburg complex, 12 to 25 percent slopes |
| 197 | Streek-Swanpeak-Sagollow complex, 2 to 15 percent slopes | 216 | Vicking silt loam, 12 to 20 percent slopes | 235 | Wursten-Rexburg complex, dry, 12 to 25 percent slopes |
| 198 | Suryon loam, 4 to 12 percent slopes | 217 | Vicking silt loam, dry, 2 to 12 percent slopes | | |

ROAD EMBLEMS & DESIGNATIONS

Interstate



Federal



State

